



GTGAAATTTA	GTAaaaaata	TATAGCAGCT	GGATCAGCTG	TTATCGTATC	CTTGAGTCTA	60
TGTGCCTATG	CACTAAACCA	GCATCGTTTCG	CAGGAAAATA	AGGACAATAA	TCGTGTCTCT	120
TATGTGGATG	GCAGCCAGTC	AAGTCAGAAA	AGTGAAAAC	TGACACCAGA	CCAGGTTAGC	180
CAGAAAGAAG	GAATTCAGGC	TGAGCAAATT	GTAATCAAAA	TTACAGATCA	GGGCTATGTA	240
ACGTCACACG	GTGACCACTA	TCATTACTAT	AATGGGAAAG	TTCCTTATGA	TGCCCTCTTT	300
AGTGAAGAAC	TCTTGATGAA	GGATCCAAAC	TATCAACTTA	AAGACGCTGA	TATTGTCAAT	360
GAAGTCAAGG	GTGGTTATAT	CATCAAGGTC	GATGGAAAAT	ATTATGTCTA	CCTGAAAGAT	420
GCAGCTCATG	CTGATAATGT	TCGAACATAA	GATGAAATCA	ATCGTCAAAA	ACAAGAACAT	480
GTCAAAGATA	ATGAGAAGGT	TAACCTCTAAT	GTTGCTGTAG	CAAGGTCTCA	GGGACGATAT	540
ACGACAAATG	ATGGTTATGT	CTTTAATCCA	GCTGATATTA	TCGAAGATAC	GGGTAATGCT	600
TATATCGTTC	CTCATGGAGG	TCACTATCAC	TACATTCCCA	AAAGCGATTT	ATCTGCTAGT	660
GAATTAGCAG	CAGCTAAAGC	ACATCTGGCT	GGAAAAATA	TGCAACCGAG	TCAGTTAAGC	720
TATTCCTTCA	CAGCTAGTGA	CAATAACACG	CAATCTGTAG	CAAAAGGATC	AACCTAGCAAG	780
CCAGCAAATA	AATCTGAAAA	TCTCCAGAGT	CTTTTGAAGG	AACTCTATGA	TTCACTAGC	840
GCCCAACGTT	ACAGTGAATC	AGATGGCCTG	GTCTTTGACC	CTGCTAAGAT	TATCAGTCGT	900
ACACCAAATG	GAGTTGCGAT	TCCGCATGGC	GACCATTACC	ACTTTATTCC	TTACAGCAAG	960
CTTTCTGCTT	TAGAAGAAAA	GATTGCCAGA	ATGGTGCCTA	TCAGTGGAAC	TGGTCTACA	1020
GTTTCTACAA	ATGCAAAACC	TAATGAAGTA	GTGTCTAGTC	TAGGCAGTCT	TTCAAGCAAT	1080
CCTTCTTCTT	TAACGACAAG	TAAGGAGCTC	TCTTCAGCAT	CTGATGGTTA	TATTTTAAAT	1140
CCAAAAGATA	TCGTTGAAGA	AACGGCTACA	GCTTATATTG	TAAGACATGG	TGATCATTTT	1200
CATTACATTC	CAAAATCAAA	TCAAATTGGG	CAACCGACTC	TTCCAAACAA	TAGTCTAGCA	1260
ACACCTTCTC	CATCTCTTCC	AATCAATCCA	GGAACCTCAC	ATGAGAAACA	TGAAGAAGAT	1320
GGATACGGAT	TTGATGCTAA	TCGTATTATC	GCTGAAGATG	AATCAGGTTT	TGTCATGAGT	1380
CACGGAGACC	ACAATCATT	TTTCTTCAAG	AAGGACTTGA	CAGAAGAGCA	AATTAAGGCT	1440
GCGCAAAAAC	ATTTAGAGGA	AGTTAAACT	AGTCATAATG	GATTAGATT	TTTGTCTATCT	1500
CATGAACAGG	ATTATCCAGG	TAATGCCAAA	GAAATGAAAG	ATTTAGATAA	AAAAATCGAA	1560
GAAAAAATTG	CTGGCATTAT	GAAACAATAT	GGTGTCAAAC	GTGAAAGTAT	TGTCGTGAAT	1620
AAAGAAAAAA	ATGCGATTAT	TTATCCGCAT	GGAGATCACC	ATCATGCAGA	TCCGATTGAT	1680
GAACATAAAC	CGGTTGGAAT	TGGTCATTCT	CACAGTAACT	ATGAACTGTT	TAAACCCGAA	1740
GAAGGAGTTG	CTAAAAAGA	AGGGAATAAA	GTTTATACTG	GAGAAGAATT	AACGAATGTT	1800
GTTAATTGTT	TAAAAAATAG	TACGTTTAA	AATCAAACT	TTACTCTAGC	CAATGGTCAA	1860
AAACGCGTTT	CTTTTAGTTT	TCCGCCTGAA	TTGGAGAAAA	AATTAGGTAT	CAATATGCTA	1920
GTAATAATTAA	TAACACCAGA	TGGAAAAAGTA	TTGGAGAAAG	TATCTGGTAA	AGTATTTGGA	1980
GAAGGAGTAG	GGAATATTGC	AAACTTTGAA	TTAGATCAAC	CTTATTTACC	AGGACAAACA	2040
TTTAAGTATA	CTATCGCTTC	AAAAGATTAT	CCAGAAGTAA	GTTATGATGG	TACATTTACA	2100
GTTCCAACCT	CTTTAGCTTA	CAAAATGGCC	AGTCAAACGA	TTTTCTATCC	TTTCCATGCA	2160
GGGGATACTT	ATTTAAGAGT	GAACCCTCAA	TTTGCAGTGC	CTAAAGGAAC	TGATGCTTTA	2220
GTCAGAGTGT	TTGATGAATT	TCATGGAAAT	GCTTATTTAG	AAAATAACTA	TAAAGTTGGT	2280
GAAATCAAAAT	TACCGATTCC	GAAATTAAAC	CAAGGAAACA	CCAGAACGGC	CGGAAATAAA	2340
ATTCTGTAA	CCTTCATGGC	AAATGCTTAT	TTGGACAATC	AATCGACTTA	TATTGTGGAA	2400
GTACCTATCT	TGGAAAAAGA	AAATCAAACT	GATAAACCAA	GTATTCTACC	ACAATTTAAA	2460
AGGAATAAAG	CACAAGAAAA	CTCAAACTT	GATGAAAAGG	TAGAAGAACC	AAAGACTAGT	2520
GAGAAGGTAG	AAAAAGAAAA	ACTTCTGAA	ACTGGGAATA	GTACTAGTAA	TTCAACGTTA	2580
GAAGAAGTTC	CTACAGTGGA	TCCTGTACAA	GAAAAAGTAG	CAAAATTTGC	TGAAAGTTAT	2640
GGGATGAAGC	TAGAAAATGT	CTTGTTTAA	ATGGACGGAA	CAATTGAATT	ATATTTACCA	2700
TCAGGAGAAG	TCATTAAAAA	GAATATGGCA	GATTTTACAG	GAGAAGCACC	TCAAGGAAAT	2760
GGTGAAAATA	AACCATCTGA	AAATGGAAAA	GTATCTACTG	GAACAGTTGA	GAACCAACCA	2820
ACAGAAAAATA	AACCAGCAGA	TTCTTTACCA	GAGGCACCAA	ACGAAAAACC	TGTAAAACCA	2880
GAAAACTCAA	CGGATAATGG	AATGTTGAAT	CCAGAAGGGA	ATGTGGGGAG	TGACCCTATG	2940
TTAGATCCAG	CATTAGAGGA	AGCTCCAGCA	GTAGATCCTG	TACAAGAAAA	ATTAGAAAAA	3000
TTTACAGCTA	GTTACGGATT	AGGCTTAGAT	AGTGTTATAT	TCAATATGGA	TGGAACGATT	3060
GAATTAAGAT	TGCCAAGTGG	AGAAGTGATA	AAAAAGAATT	TATCTGATTT	CATAGCGTAA	3120

(SEQ ID NO: 1)

MKFSKKYIAA	GSAVIVSLSL	CAVALNQHRS	QENKDNNRVS	YVDGSQSSQK	50
SENLTDPQVS	OKEGIAEQI	VIKITDQGYV	TSHGDHYHYY	NGKVPYDALF	100
SEELLMKDPN	YQLKDADIVN	EVKGGYIIKV	DGKYVYVLKD	AAHADNVRTK	150
DEINRQKQEH	VKDNEKVNSN	VAVARSQGRY	TTNDGYVFNP	ADIIEDTGNA	200
YIVPHGGHYH	YIPKSDLAS	ELAAAKAHLA	GKNMQPSQLS	YSSTASDNNT	250
QSVAKGSTSK	PANKSENLOS	LLKELYDSPS	AQRYSESDGL	VFDPAKIISR	300
TPNGVAIPHG	DHYHFIPIYSK	LSALEEKIAR	MVPISGTGST	VSTNAKPNEV	350
VSSLGSLSSN	PSSLTTSKEL	SSASDGYIFN	PKDIVEETAT	AYIVRHGDHF	400
HYIPKSNQIG	QPTLPNNSLA	TPSPSLPINP	GTSHEKHEED	GYGFDANRII	450
AEDESGFVMS	HGDHNNHYFFK	KDLTEEQIKA	AQKHLEEVKT	SHNGLDSLSS	500
HEQDYPGNAK	EMKDLDDKKIE	EKIAGIMKQY	GVKRESIVVN	KEKNAIYYPH	550
GDHHHADPID	EHKPVGIGHS	HSNYELFKPE	EGVAKKEGNK	VYTGEELTNV	600
VNLLKNSTFN	NQNFTLANGQ	KRVSFSPFPE	LEKKLGINML	VKLITPDGKV	650
LEKVSGKVFG	EGVGNIANFE	LDQPYLPGQT	FKYTIASKDY	PEVSYDGTFT	700
VPTSLAYKMA	SQTIFYPFHA	GDTYLRVNPQ	FAVPKGTDAL	VRVFDEFHGN	750
AYLENNYKVG	EIKLPIPKLN	QGTTRTAGNK	IPVTFMANAY	LDNQSTYIVE	800
VPILEKENQT	DKPSILPQFK	RNKAQENSKL	DEKVEEPKTS	EKVEKEKLSE	850
TGNSTSNSTL	EEVPTVDPVQ	EKVAKFAESY	GMKLENVLFN	MDGTIELYLP	900
SGEVIKKNMA	DFTGEAPQGN	GENKPSENGK	VSTGTVENQP	TENKPADSLP	950
EAPNEKPVKP	ENSTDNGMLN	PEGNVGSDPM	LDPALEEAPA	VDPVQEKLEK	1000
FTASYGLGLD	SVIFNMDGTI	ELRLPSGEVI	KKNLSDFIA (SEQ ID NO: 2)		1039

ATGAAAATCA	ATAAAAAATA	TCTAGCTGGG	TCAGTAGCTA	CACTTGTTTT	AAGTGTCTGT	60
GCTTATGAAC	TAGGTTTGCA	TCAAGCTCAA	ACTGTAAAAG	AAAATAATCG	TGTTTCCTAT	120
ATAGATGGAA	AACAAGCGAC	GCAAAAAACG	GAGAATTTGA	CTCCTGATGA	GGTTAGCAAG	180
CGTGAAGGAA	TCAACGCCGA	ACAAATCGTC	ATCAAGATTA	CGGATCAAGG	TTATGTGACC	240
TCTCATGGAG	ACCATTATCA	TTACTATAAT	GGCAAGGTCC	CTTATGATGC	CATCATCAGT	300
GAAGAGCTCC	TCATGAAAGA	TCCGAATTAT	CAGTTGAAGG	ATTGAGACAT	TGTCAATGAA	360
ATCAAGGGTG	GTTATGTCAT	TAAGGTAAAC	GGTAAATACT	ATGTTTACCT	TAAGGATGCA	420
GCTCATGCGG	ATAATGTCCG	TACAAAAGAA	GAAATCAATC	GGCAAAAACA	AGAACATAGT	480
CAGCATCGTG	AAGGAGGGAC	TTCAGCAAAC	GATGGTGCGG	TAGCCTTTGC	ACGTTCCACAG	540
GGACGCTACA	CCACAGATGA	TGGTTATATC	TTCAATGCAT	CTGATATCAT	CGAAGATACG	600
GGCGATGCCCT	ATATCGTTCC	TCATGGAGAT	CATTACCATT	ACATTCCCTAA	GAATGAGTTA	660
TCAGCTAGCG	AGTTGGCTGC	TGCAGAAGCC	TTCCCTATCTG	GTCGGGAAAA	TCTGTCAAAT	720
TTAAGAACCT	ATCGCCGACA	AAATAGCGAT	AACACTCCAA	GAACAAACTG	GGTACCTTCT	780
GTAAGCAATC	CAGGAACTAC	AAATACTAAC	ACAAGCAACA	ACAGCAACAC	TAACAGTCAA	840
GCAAGTCAAA	GTAATGACAT	TGATAGTCTC	TTGAAACAGC	TCTACAAACT	GCCTTTGAGT	900
CAACGCCATG	TAGAATCTGA	TGGCCTTATT	TTGACCCAG	CGCAAATCAC	AAGTCGAACC	960
GCCAGAGGTG	TAGCTGTCCC	TCATGGTAAC	CATTACCACT	TTATCCCTTA	TGAACAAATG	1020
TCTGAATTGG	AAAAACGAAT	TGCTCGTATT	ATTCCCTTTC	GTTATCGTTC	AAACCATTGG	1080
GTACCAGATT	CAAGACCAGA	AGAACCAAGT	CCACAACCGA	CTCCAGAACC	TAGTCCAAGT	1140
CCGCAACCTG	CACCAAATCC	TCAACCAGCT	CCAAGCAATC	CAATTGATGA	GAAATTGGTC	1200
AAAGAAGCTG	TTCGAAAAGT	AGGCGATGGT	TATGTCTTTG	AGGAGAATGG	AGTTTCTCGT	1260
TATATCCCAG	CCAAGAATCT	TTCAGCAGAA	ACAGCAGCAG	GCATTGATAG	CAAAC TG GCC	1320
AAGCAGGAAA	GTTTATCTCA	TAAGCTAGGA	GCTAAGAAAA	CTGACCTCCC	ATCTAGTGAT	1380
CGAGAATTTT	ACAATAAGGC	TTATGACTTA	CTAGCAAGAA	TTCAACCAAGA	TTTACTTGAT	1440
AATAAAGGTC	GACAAGTTGA	TTTTGAGGCT	TTGGATAACC	TGTTGGAACG	ACTCAAGGAT	1500
GTCTCAAGTG	ATAAAGTCAA	GTTAGTGGAT	GATATTCTTG	CCTTCTTAGC	TCCGATTTCGT	1560
CATCCAGAAC	GTTTAGGAAA	ACCAAATGCG	CAAATTACCT	ACACTGATGA	TGAGATTCAA	1620
GTAGCCAAGT	TGGCAGGCAA	GTACACAACA	GAAGACGGTT	ATATCTTTGA	TCCTCGTGAT	1680
ATAACCAGTG	ATGAGGGGGA	TGCCTATGTA	ACTCCACATA	TGACCCATAG	CCACTGGATT	1740
AAAAAAGATA	GTTTGTCTGA	AGCTGAGAGA	GCGGCAGCCC	AGGCTTATGC	TAAAGAGAAA	1800
GGTTTGACCC	CTCCTTCGAC	AGACCATCAG	GATTCAGGAA	ATACTGAGGC	AAAAGGAGCA	1860
GAACTATCT	ACAACCGCGT	GAAAGCAGCT	AAGAAGGTGC	CACTTGATCG	TATGCCCTTAC	1920
AATCTTCAAT	ATACTGTAGA	AGTCAAAAAC	GGTAGTTTAA	TCATACCTCA	TTATGACCAT	1980
TACCATAACA	TCAAATTTGA	GTGGTTTGAC	GAAAGCCTTT	ATGAGGCACC	TAAGGGGTAT	2040
ACTCTTGAGG	ATCTTTTGCC	GACTGTCAAG	TACTATGTCG	AACATCCAAA	CGAACGTCCG	2100
CATTGAGATA	ATGGTTTTGG	TAACGCTAGC	GACCATGTTC	AAAGAAACAA	AAATGGTCAA	2160
GCTGATACCA	ATCAAACGGA	AAAACCAAGC	GAGGAGAAAC	CTCAGACAGA	AAAACCTGAG	2220
GAAGAAACCC	CTCGAGAAGA	GAAACCACAA	AGCGAGAAAC	CAGAGTCTCC	AAAACCAACA	2280
GAGGAACCAG	AAGAAGAATC	ACCAGAGGAA	TCAGAAGAAC	CTCAGGTCTGA	GAAGTAAAAG	2340
GTTGAAGAAA	AACTGAGAGA	GGCTGAAGAT	TTACTTGGA	AAATCCAGGA	TCCAATTATC	2400
AAGTCCAATG	CCAAAGAGAC	TCTCACAGGA	TTAAAAAATA	ATTTACTATT	TGGCACCCAG	2460
GACAACAATA	CTATTATGGC	AGAAGCTGAA	AAACTATTGG	CTTTATTAAA	GGAGAGTAAG	2520
TAA	(SEQ ID NO: 3)					2523

MKINKKYL	AG	SVATLVLSVC	AYELGLHQAQ	TVKENNRVSY	IDGKQATQKT	50
ENLTPDEVSK	REGINAEQIV	IKITDQGYVT	SHGDHYHYYN	GKVPYDAIIS		100
EELLMKDPNY	QLKDSDIVNE	IKGGYVIKVN	GKYYVYLKDA	AHADNVRTKE		150
EINRQKQEH	S	QHREGGTSAN	DGAVAFARSQ	GRYTDDGYI	FNASDIIEDT	200
GDAYIVPHGD	HYHYIPKNEL	SASELAAAEA	FLSGRENLSN	LRTYRRQNSD		250
NTPRTNWVPS	VSNPGTTNTN	TSNNSNTNSQ	ASQSNIDISL	LKQLYKLPLS		300
QRHVESDGLI	FDPAQITSRT	ARGVAVPHGN	HYHFIPYEQM	SELEKRIARI		350
IPLRYSRSHW	VPDSRPEEPS	PQPTPEPSPS	PQPAPNPQPA	PSNPIDEKLV		400
KEAVRKVGDG	YVFEENGVS	YIPAKNLSAE	TAAGIDSKLA	KQESLSHKL		450
AKKTDLPSSD	REFYNKAYDL	LARIHQDLLD	NKGRQVDFEA	LDNLLERLKD		500
VSSDKVKLV	D	DILAFAPIR	HPERLGKPN	QITYTDDEIQ	VAKLAGKYTT	550
EDGYIFDPRD	ITSDEGDAYV	TPHMTSHSWI	KKDSLSEAER	AAAQAYAKEK		600
GLTPPSTDHQ	DSGNTEAKGA	EAIYNRVKAA	KKVPLDRMPY	NLQYTVEVKN		650
GSLIIPHYDH	YHNIKFEWFD	EGLYEAPKGY	TLEDLLATVK	YYVEHPNERP		700
HSDNGFGN	S	DHVQRNKNGQ	ADTNQTEKPS	EEKPQTEKPE	EETPREKPKQ	750
SEKPESPKPT	EEPEEESPEE	SEEPQVETEK	VEEKLREAE	LLGKIQDPII		800
KSNAKETLTG	LKNNLLFGTQ	DNNTIMAEAE	KLLALLKESK	(SEQ ID NO: 4)		840

FIG. 4

ATGGAGAATA	TAGACATGTT	TAAATCAAAT	CATGAGCGAA	GAATGCGTTA	TTCCATTTCGT	60		
AAATTTAGTG	TAGGAGTAGC	TAGCGTAGCT	GTTGCCAGTC	TTTTTATGGG	AAGTGTTGTA	120		
CATGCGACAG	AGAAAGAGGG	AAGTACCCAA	GCAGCCACTT	CTTTTAATAG	GGGAAATGGA	180		
AGTCAGGCAG	AACAACGTGG	AGAACTCGAT	TTAGAACGAG	ATAAGGCAAT	GAAAGCGGTC	240		
AGTGAATATG	TAGGAAAAAT	GGTGAGAGAT	GCCTATGTAA	AATCAGATAG	AAAACGACAT	300		
AAAAATACTG	TAGCTCTAGT	TAACCACTTG	GGAAACATTA	AGAACAGGTA	TTTGAATGAA	360		
ATAGTTCATT	CAACCTCAAA	AAGCCAAC	TA	AGGCACTGA	TGATGAAGAG	TCAATCAGAA	420	
GTAGATGAAG	CTGTGTCTAA	ATTTGAAAAG	GACTCATTTT	CTTCGTCAAG	TTCAGGATCC	480		
TCCACTAAAC	CAGAAACTCC	GCAGCCGGAA	AAATCCAGAGC	ATCAAAAACC	AACAAC	TCCA	540	
TCTCCGGATA	CCAAACCAAG	CCCTCAACCA	GAAGGCAAGA	AACCAAGCGT	ACCAGACATT	600		
AATCAGGAAA	AAGAAAAAGC	TAAGCTTGCT	GTAGTAACCT	ACATGAGCAA	GATTTTAGAT	660		
GATATACAAA	AACATCATCT	GCAGAAAGAA	AAACATCGTC	AGATTGTTGC	TCTTATTAAG	720		
GAGCTTGATG	AGCTTAAAAA	GCAAGCTCTT	TCTGAAATTG	ATAATGTAAA	TACCAAAGTA	780		
GAAATTGAAA	ATACAGTCCA	CAAGATATTT	GCAGACATGG	ATGCAGTTGT	GACTAAATTC	840		
AAAAAAGGCT	TAAC	T	CAGGA	CACACCAAAA	GAACCAGGTA	ACAAAAAACC	ATCTGCTCCA	900
AAACCAGGTA	TGCAACCAAG	TCCTCAACCA	GAGGTTAAAC	CGCAGCTGGA	AAAACCAAAA	960		
CCAGAGGTTA	AACCGCAACC	AGAAAAACCA	AAACCAGAGG	TTAAACCGCA	GCCGGAAAAA	1020		
CCAAAACCAAG	AGGTTAAACC	GCAGCCGGAA	AAACCAAAAC	CAGAGGTTAA	ACCGCAGCCG	1080		
GAAAAACCAA	AACCAGAGGT	TAAACCGCAG	CCGGAAAAAC	CAAAAACCA	GGTTAAACCG	1140		
CAGCCGGAAA	AACCAAAACC	AGAGGTTAAA	CCGCAGCCGG	AAAAACCAAA	ACCAGAGGTT	1200		
AAACCGCAGC	CGGAAAAACC	AAAACCAGAG	GTTAAACCGC	AGCCGGAAAA	ACCAAAACCA	1260		
GAGGTTAAAC	CGCAGCCGGA	AAAACCAAAA	CCAGAGGTTA	AACCGCAACC	AGAAAAACCA	1320		
AAACCAGAGG	TTAAACCGCA	ACCAGAAAAA	CCAAAACCA	ATAATAGCAA	GCCACAAGCA	1380		
GATGATAAGA	AGCCATCAAC	TACAAATAAT	TTAAGCAAGG	ACAAGCAACC	TTCTAACCAA	1440		
GCTTCAACAA	ACGAAAAAGC	AACAAATAAA	CCGAAGAAGT	CATTGCCATC	AACTGGATCT	1500		
ATTTCAAATC	TAGCACTTGA	AATTGCAGT	CTTCTTACCT	TGGCGGGGGC	AACCATCTT	1560		
GCTAAGAAAA	GAATGAAATA	G	(SEQ ID NO: 5)			1581		

FIG. 5

MENIDMFKSN	HERRMRYSIR	KFSVGVASVA	VASLFMGSVV	HATEKEGSTQ	50
AATSFNRGNG	SQAEQRGELD	LERDKAMKAV	SEYVGKMVRD	AYVKS DRKRH	100
KNTVALVNQL	GNIKNRYLNE	IVHSTSKSQL	QELMMKSQSE	VDEAVSKFEK	150
DSFSSSSSGS	STKPETPQPE	NPEHQKPTTP	SPDTKPSPQP	EGKKPSVPDI	200
NQEKEKAKLA	VVTYMSKILD	DIQKHHLQKE	KHRQIVALIK	ELDELKKQAL	250
SEIDNVNTKV	EIENTVHKIF	ADMDAVVTKF	KKGLTQDTPK	EPGNKKPSAP	300
KPGMQPSQP	EVKPQLEKPK	PEVKPQPEKP	KPEVKPQPEK	PKPEVKPQPE	350
KPKPEVKPQP	EKPKPEVKPQ	PEKPKPEVKP	QPEKPKPEVK	PQPEKPKPEV	400
KPQPEKPKPE	VKPQPEKPKP	EVKPQPEKPK	PEVKPQPEKP	KPEVKPQPEK	450
PKPDNSKPQA	DDKKPSTTNN	LSKDKQPSNQ	ASTNEKATNK	PKKSLPSTGS	500
ISNLALEIAG	LLTLAGATIL	AKKRMK	(SEQ ID NO: 6)		526

FIG. 6

ATGAAATTTA	GTAAAAAATA	TATAGCAGCT	GGATCAGCTG	TTATCGTATC	CTTGAGTCTA	60
TGTGCCTATG	CACTAAACCA	GCATCGTTTG	CAGGAAAATA	AGGACAATAA	TCGTGTCTCT	120
TATGTGGATG	GCAGCCAGTC	AAGTCAGAAA	AGTGAAAAC	TGACACCAGA	CCAGGTTAGC	180
CAGAAAGAAG	GAATTCAGGC	TGAGCAAATT	GTAATCAAAA	TTACAGATCA	GGGCTATGTA	240
ACGTCACACG	TGTGACACTA	TCATTACTAT	AATGGGAAAAG	TTCCTTATGA	TGCCCTCTTT	300
AGTGAAGAAC	TCTTGATGAA	GGATCCAAAC	TATCAACTTA	AAGACGCTGA	TATTGTCAAT	360
GAAGTCAAGG	GTGGTTATAT	CATCAAGGTC	GATGGAAAAT	ATTATGTCTA	CCTGAAAGAT	420
GCAGCTCATG	CTGATAATGT	TCGAACTAAA	GATGAAATCA	ATCGTCAAAA	ACAAGAACAT	480
GTCAAAGATA	ATGAGAAGGT	TAACCTAAT	GTTGCTGTAG	CAAGGTCTCA	GGGACGATAT	540
ACGACAAATG	ATGGTTATGT	CTTTAATCCA	GCTGATATTA	TCGAAGATAC	GGGTAATGCT	600
TATATCGTTC	CTCATGGAGG	TCACTATCAC	TACATTCCCA	AAAGCGATTT	ATCTGCTAGT	660
GAATTAGCAG	CAGCTAAAGC	ACATCTGGCT	GGAAAAAATA	TGCAACCGAG	TCAGTTAAGC	720
TATTCTTCAA	CAGCTAGTGA	CAATAACACG	CAATCTGTAG	CAAAAGGATC	AACTAGCAAG	780
CCAGCAAATA	AATCTGAAAA	TCTCCAGAGT	CTTTTGAAGG	AACTCTATGA	TTCACCTAGC	840
GCCCAACGTT	ACAGTGAATC	AGATGGCCTG	GTCTTTGACC	CTGCTAAGAT	TATCAGTCGT	900
ACACCAAATG	GAGTTGCGAT	TCCGCATGGC	GACCATTACC	ACTTTATTCC	TTACAGCAAG	960
CTTTCTGCTT	TAGAAGAAAA	GATTGCCAGA	ATGGTGCCTA	TCAGTGGAAC	TGGTTCTACA	1020
GTTTCTACAA	ATGCAAAACC	TAATGAAGTA	GTGTCTAGTC	TAGGCAGTCT	TTCAAGCAAT	1080
CCTTCTTCTT	TAACGACAAG	TAAGGAGCTC	TCTTCAGCAT	CTGATGGTTA	TATTTTTAAT	1140
CCAAAAGATA	TCGTTGAAGA	AACGGCTACA	GCTTATATTG	TAAGACATGG	TGATCATTTT	1200
CATTACATTC	CAAAATCAAA	TCAAATTGGG	CAACCGACTC	TTCCAAACAA	TAGTCTAGCA	1260
ACACCTTCTC	CATCTCTTCC	AATCAATCCA	GGAACCTTAC	ATGAGAAACA	TGAAGAAGAT	1320
GGATACGGAT	TTGATGCTAA	TCGTATTATC	GCTGAAGATG	AATCAGGTTT	TGTCATGAGT	1380
CACGGAGACC	ACAATCATTA	TTTCTTCAAG	AAGGACTTGA	CAGAAGAGCA	AATTAAGGTG	1440
CGCAAAAACA	TTTAG	(SEQ ID NO: 7)				1455

FIG. 7

MKFSKKYIAA	GSATIVLSLSL	CAYALNQHRS	QENKDNRRVS	YVDGSQSSQK	50
SENLTDPQVS	QKEGIQAEQI	VIKITDQGYV	TSHGDHYHYH	NGKVPYDALF	100
SEELLMKDPN	YQLKDADIVN	EVKGGYIIKV	DGKYVYVLKD	AAHADNVRTK	150
DEINRQKQEH	VKDNEKVNSN	VAVARSQGRY	TTNDGYVFNP	ADIIEDTGNA	200
YIVPHGGHYH	YIPKSDLAS	ELAAAKAHLA	GKNMQPSQLS	YSSTASDNNT	250
QSVAKGSTSK	PANKSENLOS	LLKELYDSPS	AQRYSEDGL	VFDPAKIISR	300
TPNGVAIPHG	DHYHFIPYSK	LSALEEKIAR	MVPISGTGST	VSTNAKPNEV	350
VSSLGSLSSN	PSSLTTSKEL	SSASDGYIFN	PKDIVEETAT	AYIVRHGDHF	400
HYIPKSNQIG	QPTLPNNSLA	TPSPSLPINP	GTSHEKHEED	GYGFDANRII	450
AEDESGFVMS	HGDHNHYFFK	KDLTEEQIKV	RKNI	(SEQ ID NO: 8)	484

FIG. 8

ATGAAAGATT	TAGATAAAAA	AATCGAAGAA	AAAATTGCTG	GCATTATGAA	ACAATATGGT	60
GTCAAACGTG	AAAGTATTGT	CGTGAATAAA	GAAAAAATG	CGATTATTTA	TCCGCATGGA	120
GATCACCATC	ATGCAGATCC	GATTGATGAA	CATAAACCGG	TTGGAATTGG	TCATTCTCAC	180
AGTAACATG	AACTGTTTAA	ACCCGAAGAA	GGAGTTGCTA	AAAAAGAAGG	GAATAAAGTT	240
TATACTGGAG	AAGAATTAAAC	GAATGTTGTT	AATTTGTTAA	AAAATAGTAC	GTTTAATAAT	300
CAAACTTTA	CTCTAGCCAA	TGGTCAAAAA	CGCGTTTCTT	TTAGTTTTC	GCCTGAATTG	360
GAGAAAAAAT	TAGGTATCAA	TATGCTAGTA	AAATTAATAA	CACCAGATGG	AAAAGTATTG	420
GAGAAAGTAT	CTGGTAAAGT	ATTTGGAGAA	GGAGTAGGGA	ATATTGCAAA	CTTTGAATTA	480
GATCAACCTT	ATTTACCAGG	ACAAACATTT	AAGTATACTA	TCGCTTCAAA	AGATTATCCA	540
GAAGTAAGTT	ATGATGGTAC	ATTTACAGTT	CCAACCTCTT	TAGCTTACAA	AATGGCCAGT	600
CAAACGATTT	TCTATCCTTT	CCATGCAGGG	GATACTTATT	TAAGAGTGAA	CCCTCAATTT	660
GCAGTGCCTA	AAGGAACCTGA	TGCTTTAGTC	AGAGTGTTTG	ATGAATTTCA	TGGAAATGCT	720
TATTTAGAAA	ATAACTATAA	AGTTGGTGAA	ATCAAATTAC	CGATTCCGAA	ATTAAACCAA	780
GGAACAACCA	GAACGGCCGG	AAATAAAATT	CCTGTAACCT	TCATGGCAAA	TGCTTATTTG	840
GACAATCAAT	CGACTTATAT	TGTGGAAGTA	CCTATCTTGG	AAAAAGAAAA	TCAAACCTGAT	900
AAACCAAGTA	TTCTACCACA	ATTTAAAAGG	AATAAAGCAC	AAGAAAACTC	AAAACTTGAT	960
GAAAAGGTAG	AAGAACCAAA	GAAGTAGGAG	AAGGTAGAAA	AAGAAAAACT	TTCTGAAACT	1020
GGGAATAGTA	CTAGTAATTC	AACGTTAGAA	GAAGTTCCTA	CAGTGGATCC	TGTACAAGAA	1080
AAAGTAGCAA	AATTTGCTGA	AAGTTATGGG	ATGAAGCTAG	AAAATGTCTT	GTTTAATATG	1140
GACGGAACAA	TTGAATTATA	TTTACCATCA	GGAGAAGTCA	TTAAAAAGAA	TATGGCAGAT	1200
TTTACAGGAG	AAGCACCTCA	AGGAAATGGT	GAAAATAAAC	CATCTGAAAA	TGGAAAAAGTA	1260
TCTACTGGAA	CAGTTGAGAA	CCAACCAACA	GAAAATAAAC	CAGCAGATTC	TTTACCAGAG	1320
GCACCAAACG	AAAAACCTGT	AAAACCAGAA	AACTCAACGG	ATAATGGAAT	GTTGAATCCA	1380
GAAGGGAATG	TGGGGAGTGA	CCCTATGTTA	GATCCAGCAT	TAGAGGAAGC	TCCAGCAGTA	1440
GATCCTGTAC	AAGAAAAAAT	AGAAAAAATT	ACAGCTAGTT	ACGGATTAGG	CTTAGATAGT	1500
GTTATATTCA	ATATGGATGG	AACGATTGAA	TTAAGATTGC	CAAGTGGAGA	AGTGATAAAA	1560
AAGAATTTAT	CTGATTTTCAT	AGCGTAA	(SEQ ID NO: 9)			1587

FIG. 9

MKDLDKKIEE	KIAGIMKQYG	VKRESIVVNK	EKNAIITYPHG	DHHHADPIDE	50
HKPVGIGHSH	SNYELFKPEE	GVAKKEGNKV	YTGEELTNVV	NLLKNSTFNN	100
QNFTLANGQK	RVSFSFPPEL	EKKLGINMLV	KLITPDGKVL	EKVSGKVFGE	150
GVGNIANFEL	DQPYPGQTF	KYTIASKDYP	EVSYDGTFTV	PTSLAYKMAS	200
QTIFYPFHAG	DTYLRVNPQF	AVPKGTDALV	RVFDEFHGNA	YLENNYKVGE	250
IKLPIPKLNQ	GTTRTAGNKI	PVTFMANAYL	DNQSTYIVEV	PILEKENQTD	300
KPSILPQFKR	NKAQENSKLD	EKVEEPTSE	KVEKEKLSET	GNSTSNSTLE	350
EVPTVDPVQE	KVAKFAESYG	MKLENVLFNM	DGTIELYLPS	GEVIKKNMAD	400
FTGEAPQGNG	ENKPSENGKV	STGTVENQPT	ENKPADSLPE	APNEKPVKPE	450
NSTDNGMLNP	EGNVGSDPML	DPALEEAPAV	DPVQEKLEKF	TASYGLGLDS	500
VIFNMDGTIE	LRLPSGEVIK	KNLSDFIA	(SEQ ID NO: 10)		528

FIG. 10

BVH3 WU2	1	CAYALNQHRSQENKDNRRVSYVDGSQSSQKSENLTDPQVSQKEGIAEQIVIKITDQGYV	60
BVH3 RX1	1	CAYALNQHRSQENKDNRRVSYVDGSQSSQKSENLTDPQVSQKEGIAEQIVIKITDQGYV	60
BVH3 JNR7/87	1	CAYALNQHRSQENKDNRRVSYVDGSQSSQKSENLTDPQVSQKEGIAEQIVIKITDQGYV	60
BVH3 SP64	1	CAYALNQHRSQENKDNRRVSYVDGSQSSQKSENLTDPQVSQKEGIAEQIVIKITDQGYV	60
BVH3 P4241	1	CAYALNQHRSQENKDNRRVSYVDGSQSSQKSENLTDPQVSQKEGIAEQIVIKITDQGYV	60
BVH3 A66	1	CAYALNQHRSQENKDNRRVSYVDGSQSSQKSENLTDPQVSQKEGIAEQIVIKITDQGYV	60

BVH3 WU2	61	TSHGDHYHYNGKVPYDALFSEELLMKDPNYQLKDADIVNEVKGGYIIKVDGKYYVYLKD	120
BVH3 RX1	61	TSHGDHYHYNGKVPYDALFSEELLMKDPNYQLKDADIVNEVKGGYIIKVDGKYYVYLKD	120
BVH3 JNR7/87	61	TSHGDHYHYNGKVPYDALFSEELLMKDPNYQLKDADIVNEVKGGYIIKVDGKYYVYLKD	120
BVH3 SP64	61	TSHGDHYHYNGKVPYDALFSEELLMKDPNYQLKDADIVNEVKGGYIIKVDGKYYVYLKD	120
BVH3 P4241	61	TSHGDHYHYNGKVPYDALFSEELLMKDPNYQLKDADIVNEVKGGYIIKVDGKYYVYLKD	120
BVH3 A66	61	TSHGDHYHYNGKVPYDALFSEELLMKDPNYQLKDADIVNEVKGGYIIKVDGKYYVYLKD	120

BVH3 WU2	121	AAHADNVRTKDEINRQKQEHVKDNEKVNNSVAVARSQGRYTTNDGYVFNPADIIEDTGNA	180
BVH3 RX1	121	AAHADNVRTKDEINRQKQEHVKDNEKVNNSVAVARSQGRYTTNDGYVFNPADIIEDTGNA	180
BVH3 JNR7/87	121	AAHADNVRTKDEINRQKQEHVKDNEKVNNSVAVARSQGRYTTNDGYVFNPADIIEDTGNA	180
BVH3 SP64	121	AAHADNVRTKDEINRQKQEHVKDNEKVNNSVAVARSQGRYTTNDGYVFNPADIIEDTGNA	180
BVH3 P4241	121	AAHADNVRTKDEINRQKQEHVKDNEKVNNSVAVARSQGRYTTNDGYVFNPADIIEDTGNA	180
BVH3 A66	121	AAHADNVRTKDEINRQKQEHVKDNEKVNNSVAVARSQGRYTTNDGYVFNPADIIEDTGNA	180

BVH3 WU2	181	YIVPHRGHYHYIPKSDLSASELAAAKAHLAGKNMQPSQLSYSSTASDNNTQSVAKGSTSK	240
BVH3 RX1	181	YIVPHGGHYHYIPKSDLSASELAAAKAHLAGKNMQPSQLSYSSTASDNNTQSVAKGSTSK	240
BVH3 JNR7/87	181	YIVPHGGHYHYIPKSDLSASELAAAKAHLAGKNMQPSQLSYSSTASDNNTQSVAKGSTSK	240
BVH3 SP64	181	YIVPHGGHYHYIPKSDLSASELAAAKAHLAGKNMQPSQLSYSSTASDNNTQSVAKGSTSK	240
BVH3 P4241	181	YIVPHRGHYHYIPKSDLSASELAAAKAHLAGKNMQPSQLSYSSTASDNNTQSVAKGSTSK	240
BVH3 A66	181	YIVPHRGHYHYIPKSDLSASELAAAKAHLAGKNMQPSQLSYSSTASDNNTQSVAKGSTSK	240

BVH3 WU2	241	PANKSENLSLLKELYDSPAQRYSSESGLVFDPAKIIISRTPNGVAIPHGDHYHFIPYSK	300
BVH3 RX1	241	PANKSENLSLLKELYDSPAQRYSSESGLVFDPAKIIISRTPNGVAIPHGDHYHFIPYSK	300
BVH3 JNR7/87	241	PANKSENLSLLKELYDSPAQRYSSESGLVFDPAKIIISRTPNGVAIPHGDHYHFIPYSK	300
BVH3 SP64	241	PANKSENLSLLKELYDSPAQRYSSESGLVFDPAKIIISRTPNGVAIPHGDHYHFIPYSK	300
BVH3 P4241	241	PANKSENLSLLKELYDSPAQRYSSESGLVFDPAKIIISRTPNGVAIPHGDHYHFIPYSK	300
BVH3 A66	241	PANKSENLSLLKELYDSPAQRYSSESGLVFDPAKIIISRTPNGVAIPHGDHYHFIPYSK	300

BVH3 WU2	301	LSALEEKIARMVPISGTGSTVSTNAKPNEVVSSLGSLSSNPSSLTTSKELSSASDGYIFN	360
BVH3 RX1	301	LSALEEKIARRVPISGTGSTVSTNAKPNEVVSSLGSLSSNPSSLTTSKELSSASDGYIFN	360
BVH3 JNR7/87	301	LSALEEKIARMVPISGTGSTVSTNAKPNEVVSSLGSLSSNPSSLTTSKELSSASDGYIFN	360
BVH3 SP64	301	LSALEEKIARMVPISGTGSTVSTNAKPNEVVSSLGSLSSNPSSLTTSKELSSASDGYIFN	360
BVH3 P4241	301	LSALEEKIARMVPISGTGSTVSTNAKPNEVVSSLGSLSSNPSSLTTSKELSSASDGYIFN	360
BVH3 A66	301	LSALEEKIARMVPISGTGSTVSTNAKPNEVVSSLGSLSSNPSSLTTSKELSSASDGYIFN	360

BVH3 WU2	361	PKDIVEETATAYIVRHGDHFHYIPKSNQIGQPTLPNNSLATPSPSLPINPGTSHEKHEED	420
BVH3 RX1	361	PKDIVEETATAYIVRHGDHFHYIPKSNQIGQPTLPNNSLATPSPSLPINPGTSHEKHEED	420
BVH3 JNR7/87	361	PKDIVEETATAYIVRHGDHFHYIPKSNQIGQPTLPNNSLATPSPSLPINPGTSHEKHEED	420
BVH3 SP64	361	PKDIVEETATAYIVRHGDHFHYIPKSNQIGQPTLPNNSLATPSPSLPINPGTSHEKHEED	420
BVH3 P4241	361	PKDIVEETATAYIVRHGDHFHYIPKSNQIGQPTLPNNSLATPSPSLPINPGTSHEKHEED	420
BVH3 A66	361	PKDIVEETATAYIVRHGDHFHYIPKSNQIGQPTLPNNSLATPSPSLPINPGTSHEKHEED	420

BVH3 WU2	421	GYGFDANRIIAEDES GFVMSHGDHNNHYFFKKDLTEEQIKAAQKHLEEVKTSHNGLDSLSS	480
BVH3 RX1	421	GYGFDANRIIAEDES GFVMSHGNHNNHYFFKKDLTEEQIKAAQKHLEEVKTSHNGLDSLSS	480
BVH3 JNR7/87	421	GYGFDANRIIAEDES GFVMSHGDHNNHYFFKKDLTEEQIKAAQKHLEEVKTSHNGLDSLSS	480
BVH3 SP64	421	GYGFDANRIIAEDES GFVMSHGDHNNHYFFKKDLTEEQIKAAQKHLEEVKTSHNGLDSLSS	480
BVH3 P4241	421	GYGFDANRIIAEDES GFVMSHGDHNNHYFFKKDLTEEQIKAAQKHLEEVKTSHNGLDSLSS	480
BVH3 A66	421	GYGFDANRIIAEDES GFVMSHGDHNNHYFFKKDLTEEQIKAAQKHLEEVKTSHNGLDSLSS	480

BVH3 WU2	481	HEQDYPSNAKEMKDLDDKKIEEKIAGIMKQYGVKRESIVVNKEKNAIYPHGDHHDADPID	540
BVH3 RX1	481	HEQDYPSNAKEMKDLDDKKIEEKIAGIMKQYGVKRESIVVNKEKNAIYPHGDHHDADPID	540
BVH3 JNR7/87	481	HEQDYPSNAKEMKDLDDKKIEEKIAGIMKQYGVKRESIVVNKEKNAIYPHGDHHDADPID	540
BVH3 SP64	481	HEQDYPSNAKEMKDLDDKKIEEKIAGIMKQYGVKRESIVVNKEKNAIYPHGDHHDADPID	540
BVH3 P4241	481	HEQDYPSNAKEMKDLDDKKIEEKIAGIMKQYGVKRESIVVNKEKNAIYPHGDHHDADPID	540
BVH3 A66	481	HEQDYPSNAKEMKDLDDKKIEEKIAGIMKQYGVKRESIVVNKEKNAIYPHGDHHDADPID	540

BVH3 WU2	541	EHKPVGIGHSHSNYELFKPEEGVAKKEGNKVYTGEELTNVVNLLKNSTFNNQNFTLANGQ	600
BVH3 RX1	541	EHKPVGIGHSHSNYELFKPEEGVAKKEGNKVYTGEELTNVVNLLKNSTFNNQNFTLANGQ	600
BVH3 JNR7/87	541	EHKPVGIGHSHSNYELFKPEEGVAKKEGNKVYTGEELTNVVNLLKNSTFNNQNFTLANGQ	600
BVH3 SP64	541	EHKPVGIGHSHSNYELFKPEEGVAKKEGNKVYTGEELTNVVNLLKNSTFNNQNFTLANGQ	600
BVH3 P4241	541	EHKPVGIGHSHSNYELFKPEEGVAKKEGNKVYTGEELTNVVNLLKNSTFNNQNFTLANGQ	600
BVH3 A66	541	EHKPVGIGHSHSNYELFKPEEGVAKKEGNKVYTGEELTNVVNLLKNSTFNNQNFTLANGQ	600

BVH3 WU2	601	KRVSFSPFPELEKKLGINMLVKLITPDGKVLKVSQKVFGEVGNIANFELDQPYLPQGT	660
BVH3 RX1	601	KRVSFSPFPELEKKLGINMLVKLITPDGKVLKVSQKVFGEVGNIANFELDQPYLPQGT	660
BVH3 JNR7/87	601	KRVSFSPFPELEKKLGINMLVKLITPDGKVLKVSQKVFGEVGNIANFELDQPYLPQGT	660
BVH3 SP64	601	KRVSFSPFPELEKKLGINMLVKLITPDGKVLKVSQKVFGEVGNIANFELDQPYLPQGT	660
BVH3 P4241	601	KRVSFSPFPELEKKLGINMLVKLITPDGKVLKVSQKVFGEVGNIANFELDQPYLPQGT	660
BVH3 A66	601	KRVSFSPFPELEKKLGINMLVKLITPDGKVLKVSQKVFGEVGNIANFELDQPYLPQGT	660

BVH3 WU2	661	FKYTIASKDYPEVSYDGTFTVPTSLAYKMASQTI FYPFHAGDTYLRVNPQFAVPKGTDAL	720
BVH3 RX1	661	FKYTIASKDYPEVSYDGTFTVPTSLAYKMASQTI FYPFHAGDTYLRVNPQFAVPKGTDAL	720
BVH3 JNR7/87	661	FKYTIASKDYPEVSYDGTFTVPTSLAYKMASQTI FYPFHAGDTYLRVNPQFAVPKGTDAL	720
BVH3 SP64	661	FKYTIASKDYPEVSYDGTFTVPTSLAYKMASQTI FYPFHAGDTYLRVNPQFAVPKGTDAL	720
BVH3 P4241	661	FKYTIASKDYPEVSYDGTFTVPTSLAYKMASQTI FYPFHAGDTYLRVNPQFAVPKGTDAL	720
BVH3 A66	661	FKYTIASKDYPEVSYDGTFTVPTSLAYKMASQTI FYPFHAGDTYLRVNPQFAVPKGTDAL	720

BVH3 WU2	721	VRVFDEFHGNAYLENNYKVGKLEIKLPIPKLNQGTTRTAGNKIPVTFMANAYLDNQSTYIVE	780
BVH3 RX1	721	VRVFDEFHGNAYLENNYKVGKLEIKLPIPKLNQGTTRTAGNKIPVTFMANAYLDNQSTYIVE	780
BVH3 JNR7/87	721	VRVFDEFHGNAYLENNYKVGKLEIKLPIPKLNQGTTRTAGNKIPVTFMANAYLDNQSTYIVE	780
BVH3 SP64	721	VRVFDEFHGNAYLENNYKVGKLEIKLPIPKLNQGTTRTAGNKIPVTFMANAYLDNQSTYIVE	780
BVH3 P4241	721	VRVFDEFHGNAYLENNYKVGKLEIKLPIPKLNQGTTRTAGNKIPVTFMANAYLDNQSTYIVE	780
BVH3 A66	721	VRVFDEFHGNAYLENNYKVGKLEIKLPIPKLNQGTTRTAGNKIPVTFMANAYLDNQSTYIVE	780

BVH3 WU2	781	VPILEKENQTDKPSILPQFKRNKAQENSKFDEKVEEPTSEKVEKEKLSETGNSTSNSTL	840
BVH3 RX1	781	VPILEKENQTDKPSILPQFKRNKAQENSKLDEKVEEPTSEKVEKEKLSETGNSTSNSTL	840
BVH3 JNR7/87	781	VPILEKENQTDKPSILPQFKRNKAQENSKLDEKVEEPTSEKVEKEKLSETGNSTSNSTL	840
BVH3 SP64	781	VPILEKENQTDKPSILPQFKRNKAQENSKLDEKVEEPTSEKVEKEKLSETGNSTSNSTL	840
BVH3 P4241	781	VPILEKENQTDKPSILPQFKRNKAQENSKFDEKVEEPTSEKVEKEKLSETGNSTSNSTL	840
BVH3 A66	781	VPILEKENQTDKPSILPQFKRNKAQENSKFDEKVEEPTSEKVEKEKLSETGNSTSNSTL	840

BVH3 WU2	841	EEVPTVDPVQEKVAKFAESYGMKLENVLFNMDGTIELYLPSEGEVIKKNMADFTGEAPQGN	900
BVH3 RX1	841	EEVPTVDPVQEKVAKFAESYGMKLENVLFNMDGTIELYLPSEGEVIKKNMADFTGEAPQGN	900
BVH3 JNR7/87	841	EEVPTVDPVQEKVAKFAESYGMKLENVLFNMDGTIELYLPSEGEVIKKNMADFTGEAPQGN	900
BVH3 SP64	841	EEVPTVDPVQEKVAKFAESYGMKLENVLFNMDGTIELYLPSEGEVIKKNMADFTGEAPQGN	900
BVH3 P4241	841	EEVPTVDPVQEKVAKFAESYGMKLENVLFNMDGTIELYLPSEGEVIKKNMADFTGEAPQGN	900
BVH3 A66	841	EEVPTVDPVQEKVAKFAESYGMKLENVLFNMDGTIELYLPSEGEVIKKNMADFTGEAPQGN	900

BVH3 WU2	901	GENKPSENGKVSTGTVENQPTENKPADSLPEAPNEKPVKPENSTDNGMLNPEGNVGSDPM	960
BVH3 RX1	901	GENKPSENGKVSTGTGTVENQPTENKPADSLPEAPNEKPVKPENSTDNGMLNPEGNVGSDPM	960
BVH3 JNR7/87	901	GENKPSENGKVSTGTGTVENQPTENKPADSLPEAPNEKPVKPENSTDNGMLNPEGNVGSDPM	960
BVH3 SP64	901	GENKPSENGKVSTGTGTVENQPTENKPADSLPEAPNEKPVKPENSTDNGMLNPEGNVGSDPM	960
BVH3 P4241	901	GENKPSENGKVSTGTGTVENQPTENKPADSLPEAPNEKPVKPENSTDNGMLNPEGNVGSDPM	960
BVH3 A66	901	GENKPSENGKVSTGTGTVENQPTENKPADSLPEAPNEKPVKPENSTDNGMLNPEGNVGSDPM	960

BVH3 WU2	961	LDPALEEAPAVDPVQEKLEKFTASYGLGLDSVIFNMDGTIELRLPSGEVIKKNLSDLIA	1019
BVH3 RX1	961	LDPALEEAPAVDPVQEKLEKFTASYGLGLDSVIFNMDGTIELRLPSGEVIKKNLSDLIA	1019
BVH3 JNR7/87	961	LDPALEEAPAVDPVQEKLEKFTASYGLGLDSVIFNMDGTIELRLPSGEVIKKNLSDLIA	1019
BVH3 SP64	961	LDPALEEAPAVDPVQEKLEKFTASYGLGLDSVIFNMDGTIELRLPSGEVIKKNLSDFIA	1019
BVH3 P4241	961	LDPALEEAPAVDPVQEKLEKFTASYGLGLDSVIFNMDGTIELRLPSGEVIKKNLSDLIA	1019
BVH3 A66	961	LDPALEEAPAVDPVQEKLEKFTASYGLGLDSVIFNMDGTIELRLPSGEVIKKNLSDLIA	1019

BVH11-2	SP64	406	LAKQESLSHKLGAKKTDLPSSDREFYNKAYDLLARIHQDLLDNKGRQVDFEALDNLLERL	465
BVH11-2	JNR7/87	407	LAKQESLSHKLGAKKTDLPSSDREFYNKAYDLLARIHQDLLDNKGRQVDFEALDNLLERL	466
BVH11-2	P4241	403	LAKQESLSHKLGTKKTDLPSDREFYNKAYDLLARIHQDLLDNKGRQVDFEALDNLLERL	462
BVH11-2	A66	403	LAKQESLSHKLGTKKTDLPSDREFYNKAYDLLARIHQDLLDNKGRQVDFEALDNLLERL	462
BVH11-2	WU2	403	LAKQESLSHKLGTKKTDLPSDREFYNKAYDLLARIHQDLLDNKGRQVDFEALDNLLERL	462
BVH11-2	Rx1	406	LAKQESLSHKLGAKKTDLPSSDREFYNKAYDLLARIHQDLLDNKGRQVDFEALDNLLERL	465
BVH11	P4241	403	LAKQESLSHKLGTKKTDLPSDREFYNKAYDLLARIHQDLLDNKGRQVDFEALDNLLERL	462
BVH11	WU2	403	LAKQESLSHKLGTKKTDLPSDREFYNKAYDLLARIHQDLLDNKGRQVDFEALDNLLERL	462
BVH11	A66	403	LAKQESLSHKLGTKKTDLPSDREFYNKAYDLLARIHQDLLDNKGRQVDFEALDNLLERL	462
BVH11	Rx1	406	LAKQESLSHKLGAKKTDLPSSDREFYNKAYDLLARIHQDLLDNKGRQVDFEALDNLLERL	465
BVH11	JNR7/87	400	LAKQESLSHKLGAKKTDLPSSDREFYNKAYDLLARIHQDLLDNKGRQVDFEALDNLLERL	459
BVH11	SP63	406	LAKQESLSHKLGAKKTDLPSSDREFYNKAYDLLARIHQDLLDNKGRQVDFEALDNLLERL	465
BVH11	SP64	420	LAKQESLSHKLGAKKTDLPSSDREFYNKAYDLLARIHQDLLDNKGRQVDFEALDNLLERL	479

FIG. 12B

BVH11-2 SP64	466	KDVSSDKVKLVDDILAFAPIRHPERLGKPNQITYTTDDEIQVAKLAGKYTTEDGYIFDP	525
BVH11-2 JNR7/87	467	KDVPSDKVKLVDDILAFAPIRHPERLGKPNQITYTTDDEIQVAKLAGKYTTEDGYIFDP	526
BVH11-2 P4241	463	KDVSSDKVKLVVEDILAFAPIRHPERLGKPNQITYTTDDEIQVAKLAGKYTTEDGYIFDP	522
BVH11-2 A66	463	KDVSSDKVKLVVEDILAFAPIRHPERLGKPNQITYTTDDEIQVAKLAGKYTTEDGYIFDP	522
BVH11-2 WU2	463	KDVSSDKVKLVVEDILAFAPIRHPERLGKPNQITYTTDDEIQVAKLAGKYTTEDGYIFDP	522
BVH11-2 Rx1	466	KDVSSDKVKLVDDILAFAPIRHPERLGKPNQITYTTDDEIQVAKLAGKYTTEDGYIFDP	525
BVH11 P4241	463	KDVSSDKVKLVVEDILAFAPIRHPERLGKPNQITYTTDDEIQVAKLAGKYTTEDGYIFDP	522
BVH11 WU2	463	KDVSSDKVKLVVEDILAFAPIRHPERLGKPNQITYTTDDEIQVAKLAGKYTTEDGYIFDP	522
BVH11 A66	463	KDVSSDKVKLVVEDILAFAPIRHPERLGKPNQITYTTDDEIQVAKLAGKYTTEDGYIFDP	522
BVH11 Rx1	466	KDVSSDKVKLVDDILAFAPIRHPERLGKPNQITYTTDDEIQVAKLAGKYTTEDGYIFDP	525
BVH11 JNR7/87	460	KDVSSDKVKLVDDILAFAPIRHPERLGKPNQITYTTDDEIQVAKLAGKYTTEDGYIFDP	519
BVH11 SP63	466	EDVPSDKVKLVDDILAFAPIRHPERLGKPNQITYTTDDEIQVAKLAGKYTTEDGYIFDP	525
BVH11 SP64	480	KDVSSDKVKLVDDILAFAPIRHPERLGKPNQITYTTDDEIQVAKLAGKYTTEDGYIFDP	539

BVH11-2 SP64	526	RDITSDEGDAYVTPHMTSHWIKKDSLSEAERAAAQAYAKEKGLTPPSTDHQDSGNTAEK	585
BVH11-2 JNR7/87	527	RDITSDEGDAYVTPHMTSHWIKKDSLSEAERAAAQAYAKEKGLTPPSTDHQDSGNTAEK	586
BVH11-2 P4241	523	RDITSDEGDAYVTPHMTSHWIKKDSLSEAERAAAQAYAKEKGLTPPSTDHRDSGNTAEK	582
BVH11-2 A66	523	RDITSDEGDAYVTPHMTSHWIKKDSLSEAERAAAQAYAKEKGLTPPSTDHQDSGNTAEK	582
BVH11-2 WU2	523	RDITSDEGDAYVTPHMTSHWIKKDSLSEAERAAAQAYAKEKGLTPPSTDHQDSGNTAEK	582
BVH11-2 Rx1	526	RDITSDEGDAYVTPHMTSHWIKKDSLSEAERAAAQAYAKEKGLTPPSTDHQDSGNTAEK	585
BVH11 P4241	523	RDITSDEGDAYVTPHMTSHWIKKDSLSEAERAAAQAYAKEKGLTPPSTDHQDSGNTAEK	582
BVH11 WU2	523	RDITSDEGDAYVTPHMTSHWIKKDSLSEAERAAAQAYAKEKGLTPPSTDHQDSGNTAEK	582
BVH11 A66	523	RDITSDEGDAYVTPHMTSHWIKKDSLSEAERAAAQAYAKEKGLTPPSTDHQDSGNTAEK	582
BVH11 Rx1	526	RDITSDEGDAYVTPHMTSHWIKKDSLSEAERAAAQAYAKEKGLTPPSTDHQDSGNTAEK	585
BVH11 JNR7/87	520	RDITSDEGDAYVTPHMTSHWIKKDSLSEAERAAAQAYAKEKGLTPPSTDHQDSGNTAEK	579
BVH11 SP63	526	RDITSDEGDAYVTPHMTSHWIKKDSLSEAERAAAQAYAKEKGLTPPSTDHQDSGNTAEK	585
BVH11 SP64	540	RDITSDEGDAYVTPHMTSHWIKKDSLSEAERAAAQAYAKEKGLTPPSTDHQDSGNTAEK	599

BVH11-2 SP64	586	GAEAIYNRVKAAKKVPLDRMPYNLQYTVEVKNGSLIIPHYDHYHNIKFEWFDEGLYEAPK	645
BVH11-2 JNR7/87	587	GAEAIYNRVKAAKKVPLDRMPYNLQYTVEVKNGSLIIPHYDHYHNIKFEWFDEGLYEAPK	646
BVH11-2 P4241	583	GAEAIYNRVKAAKKVPLDRMPYNLQYTVEVKNGSLIIPHYDHYHNIKFEWFDEGLYEAPK	642
BVH11-2 A66	583	GAEAIYNRVKAAKKVPLDRMPYNLQYTVEVKNGSLIIPHYDHYHNIKFEWFDEGLYEAPK	642
BVH11-2 WU2	583	GAEAIYNRVKAAKKVPLDRMPYNLQYTVEVKNGSLIIPHYDHYHNIKFEWFDEGLYEAPK	642
BVH11-2 Rx1	586	GAEAIYNRVKAAKKVPLDRMPYNLQYTVEVKNGSLIIPHYDHYHNIKFEWFDEGLYEAPK	645
BVH11 P4241	583	GAEAIYNRVKAAKKVPLDRMPYNLQYTVEVKNGSLIIPHYDHYHNIKFEWFDEGLYEAPK	642
BVH11 WU2	583	GAEAIYNRVKAAKKVPLDRMPYNLQYTVEVKNGSLIIPHYDHYHNIKFEWFDEGLYEAPK	642
BVH11 A66	583	GAEAIYNRVKAAKKVPLDRMPYNLQYTVEVKNGSLIIPHYDHYHNIKFEWFDEGLYEAPK	642
BVH11 Rx1	586	GAEAIYNRVKAAKKVPLDRMPYNLQYTVEVKNGSLIIPHYDHYHNIKFEWFDEGLYEAPK	645
BVH11 JNR7/87	580	GAEAIYNRVKAAKKVPLDRMPYNLQYTVEVKNGSLIIPHYDHYHNIKFEWFDEGLYEAPK	639
BVH11 SP63	586	GAEAIYNRVKAAKKVPLDRMPYNLQYTVEVKNGSLIIPHYDHYHNIKFEWFDEGLYEAPK	645
BVH11 SP64	600	GAEAIYNRVKAAKKVPLDRMPYNLQYTVEVKNGSLIIPHYDHYHNIKFEWFDEGLYEAPK	659

BVH11-2 SP64	646	GYSLEDLLATVKYYVEHPNERPHSDNGFGNASDHVRKNK-----ADQDSK	690
BVH11-2 JNR7/87	647	GYTLEDLLATVKYYVEHPNERPHSDNGFGNASDHVRKNK-----VDQDSK	691
BVH11-2 P4241	643	GYTLEDLLATVKYYVEHPNERPHSDNGFGNASDHVRKNK-----ADQDSK	687
BVH11-2 A66	643	GYTLEDLLATVKYYVEHPNERPHSDNGFGNASDHVRKNK-----ADQDSK	687
BVH11-2 WU2	643	GYTLEDLLATVKYYVEHPNERPHSDNGFGNASDHVRKNK-----ADQDSK	687
BVH11-2 Rx1	646	GYSLEDLLATVKYYVEHPNERPHSDNGFGNASDHVQRNKGQADTNQTEKPNEEKPTQTEK	705
BVH11 P4241	643	GYTLEDLLATVKYYVEHPNERPHSDNGFGNASDHVRKNK-----ADQDSK	687
BVH11 WU2	643	GYTLEDLLATVKYYVEHPNERPHSDNGFGNASDHVRKNK-----ADQDSK	687
BVH11 A66	643	GYTLEDLLATVKYYVEHPNERPHSDNGFGNASDHVRKNK-----ADQDSK	687
BVH11 Rx1	646	GYSLEDLLATVKYYVEHPNERPHSDNGFGNASDHVQRNK-----NGQ	687
BVH11 JNR7/87	640	GYSLEDLLATVKYYVEHPNERPHSDNGFGNASDHVQRNK-----NGQ	681
BVH11 SP63	646	GYTLEDLLATVKYYVEHPNERPHSDNGFGNASDHVQRNK-----NGQ	687
BVH11 SP64	660	GYTLEDLLATVKYYVEHPNERPHSDNGFGNASDHVQRNK-----NGQ	701

BVH11-2	SP64	811	KESQPAPIQ	819
BVH11-2	JNR7/87	812	KESQPAPIQ	820
BVH11-2	P4241	808	KKSQPAPIQ	816
BVH11-2	A66	808	KKSQPAPIQ	816
BVH11-2	WU2	808	KKSQPAPIQ	816
BVH11-2	Rx1	826	KESQPAPIQ	834
BVH11	P4241	808	KESK	811
BVH11	WU2	808	KESK	811
BVH11	A66	808	KESK	811
BVH11	Rx1	808	KESK	811
BVH11	JNR7/87	802	KESK	805
BVH11	SP63	804	KESK	807
BVH11	SP64	818	KESK	821

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BVH11-2 SP64	BVH11 SP63	BVH11 JNR.7/87	BVH11-2 JNR.7/87	BVH11 WU2	BVH11-2 WU2	BVH11 A66	BVH11-2 A66	BVH11 P4241	BVH11-2 P4241	BVH11 Rx-1	BVH11-2 Rx-1
I 81%	I 88%	I 88%	I 82%	I 80%	I 80%	I 80%	I 80%	I 80%	I 80%	I 88%	I 81%
S 86%	S 90%	S 91%	S 87%	S 85%	S 85%	S 85%	S 85%	S 85%	S 85%	S 91%	S 85%
	I 87%	I 87%	I 98%	I 96%	I 96%	I 95%	I 96%	I 95%	I 96%	I 87%	I 94%
	S 90%	S 90%	S 98%	S 97%	S 97%	S 96%	S 97%	S 96%	S 97%	S 90%	S 95%
		I 96%	I 88%	I 87%	I 87%	I 88%	I 87%	I 88%	I 87%	I 97%	I 89%
		S 96%	S 91%	S 90%	S 90%	S 91%	S 90%	S 91%	S 90%	S 97%	S 91%
			I 87%	I 86%	I 86%	I 87%	I 86%	I 87%	I 86%	I 96%	I 88%
			S 90%	S 90%	S 90%	S 91%	S 90%	S 91%	S 90%	S 96%	S 90%
				I 97%	I 97%	I 96%	I 97%	I 96%	I 97%	I 87%	I 94%
				S 98%	S 98%	S 97%	S 98%	S 97%	S 98%	S 90%	S 95%
						I 92%	I 98%	I 99%	I 98%	I 87%	I 92%
				I 98%	I 98%	S 94%	S 98%	S 99%	S 98%	S 91%	S 94%
				S 98%	S 98%	I 98%	I 99%	I 98%	I 99%	I 86%	I 93%
						S 98%	S 99%	S 98%	S 99%	S 90%	S 95%
							I 99%	I 100%	I 99%	I 87%	I 92%
							S 99%		S 99%	S 91%	S 94%
										I 86%	I 93%
										S 90%	S 95%
											I 91%
											S 92%

FIG. 13

AATTCCTTGT	CGGGTAAGTT	CCGACCCGCA	CGAAAGGCGT	AATGATTTGG	GCACTGTCTC	60
AACGAGAGAC	TCGGTGAAAT	TTTAGTACCT	GTGAAGATGC	AGGTTACCCG	CGACAGGACG	120
GAAAGACCCC	ATGGAGCTTT	ACTGCAGTTT	GATATTGAGT	GTCTGTACCA	CATGTACAGG	180
ATAGGTAGGA	GTCTAAGAGA	TCGGGACGCC	AGTTTCGAAG	GAGACGCTGT	TGGGATACTA	240
CCCTTGTTGT	ATGGCCACTC	TAACCCAGAT	AGGTGATCCC	TATCGGAGAC	AGTGTCTGAC	300
GGGCAGTTTG	ACTGGGGCGG	TCGCCTCCTA	AAAGGTAACG	GAGGCGCCCA	AAGGTTCCCT	360
CAGAATGGTT	GGAAATCATT	CGCAGAGTGT	AAAGGTATAA	GGGAGCTTGA	CTGCGAGAGC	420
TACAACTCGA	GCAGGGACGA	AAGTCGGGCT	TAGTGATCCG	GTGGTTCCGT	ATGGAAGGGC	480
CATCGCTCAA	CGGATAAAAG	CTACCCTGGG	GATAACAGGC	TTATCTCCCC	CAAGAGTTCA	540
CATCGACGGG	GAGGTTTGGC	ACCTCGATGT	CGGCTCGTCG	CATCCTGGGG	CTGTAGTCGG	600
TCCCAAGGGT	TGGGCTGTTT	GCCCATTAAA	GCGGCACGCG	AGCTGGGTTC	AGAACGTCGT	660
GAGACAGTTC	GGTCCCTATC	CGTCGCGGGC	GTAGGAAATT	TGAGAGGATC	TGCTCCTAGT	720
ACGAGAGGAC	CAGAGTGGAC	TTACCGCTGG	TGTACCAGTT	GTCTTGCCAA	AGGCATCGCT	780
GGGTAGCTAT	GTAGGGAAGG	GATAAACGCT	GAAAGCATCT	AAGTGTGAAA	CCCACCTCAA	840
GATGAGATTT	CCCATGATTA	TATATCAGTA	AGAGCCCTGA	GAGATGATCA	GGTAGATAGG	900
TTAGAAGTGG	AAGTGTGGCG	ACACATGTAG	CGGACTAATA	CTAATAGCTC	GAGGACTTAT	960
CCAAAGTAAC	TGAGAATATG	AAAGCGAACG	GTTTTCTTAA	ATTGAATAGA	TATTCAATTT	1020
TGAGTAGGTA	TTACTCAGAG	TTAAGTGACG	ATAGCCTAGG	AGATACACCT	GTACCCATGC	1080
CGAACACAGA	AGTTAAGCCC	TAGAACGCCG	GAAGTAGTTG	GGGGTTGCCC	CCTGTGAGAT	1140
AGGGAAGTCG	CTTAGCTCTA	GGGAGTTTAG	CTCAGCTGGG	AGAGCATCTG	CCTTACAAGC	1200
AGAGGGTCAG	CGGTTTCGATC	CCGTAACTC	CCAAAGGTCC	CGTAGTGTAG	CGGTTATCAC	1260
GTCCGCCCTGT	CACGGCGAAG	ATCGCGGGTT	CGATTCCCGT	CGGGACCGTT	TAAGGTAACG	1320
CAAGTTATTT	TAGACTCGTT	AGCTCAGTTG	GTAGAGCAAT	TGACTTTTAA	TCAATGGGTC	1380
ACTGGTTTCGA	GCCCAGTACG	GGTCATATAT	GCGGGTTTGG	CGGAATTCTA	ATCTCTTTGA	1440
AATCATCTTC	TCTCACTTTC	CAAACTCTA	TTACCTCTTA	TTATACCACA	TTTCAATCTT	1500
CAACTTCCCA	GTAATATAAG	CACCTCTGGC	GAAAGAAAGTT	TCAATGTCCCT	AAAGTAATAA	1560
GTGAATCCAA	TTCAGGAACT	CCAAGAACAA	AAGAAACATC	TGGTGTCAACA	AGTATTGGAT	1620
GGCACAGAGT	CACGTGGTAG	TCTGACCCTA	GCAGAAATTT	TAAATAGTAA	ACTATTTACT	1680
GGTTAATTAA	ATGGTTAAAT	AACCGGTTTA	GAAACTATT	TAATAAAGTA	AAAGAAGTTG	1740
AGAAAAAACT	TCATCATTTA	TTGAAATGAG	GGATTTATGA	AATTTAGTAA	AAAATATATA	1800
GCAGCTGGAT	CAGCTGTTAT	CGTATCCTTG	AGTCTATGTG	CCTATGCACT	AAACCAGCAT	1860
CGTTCGCAGG	AAAATAAGGA	CAATAATCGT	GTCTCTTATG	TGGATGGCAG	CCAGTCAAGT	1920
CAGAAAAGTG	AAAACCTGAC	ACCAGACCAG	GTTAGCCAGA	AAGAAGGAAT	TCAGGCTGAG	1980
CAAATTGTAA	TCAAAATTAC	AGATCAGGGC	TATGTAACGT	CACACGGTGA	CCACTATCAT	2040
TACTATAATG	GGAAAGTTCC	TTATGATGCC	CTCTTTAGTG	AAGAACTCTT	GATGAAGGAT	2100
CCAACTATC	AACTTAAAGA	CGCTGATATT	GTCAATGAAG	TCAAGGGTGG	TTATATCATC	2160
AAGGTCGATG	GAAAAATATTA	TGTCTACCTG	AAAGATGCAG	CTCATGCTGA	TAATGTTCTGA	2220
ACTAAAGATG	AAATCAATCG	TCAAAAACAA	GAACATGTCA	AAGATAATGA	GAAGGTAAAC	2280
TCTAATGTTG	CTGTAGCAAG	GTCTCAGGGA	CGATATACGA	CAAATGATGG	TTATGTCTTT	2340
AATCCAGCTG	ATATTATCGA	AGATACGGGT	AATGCTTATA	TCGTTCCCTCA	TGGAGGTCAC	2400
TATCACTACA	TTCCCAAAAG	CGATTTATCT	GCTAGTGAAT	TAGCAGCAGC	TAAAGCACAT	2460
CTGGCTGGAA	AAAATATGCA	ACCGAGTCACT	TTAAGCTATT	CTTCAACAGC	TAGTGACAAT	2520
AACACGCAAT	CTGTAGCAAA	AGGATCAACT	AGCAAGCCAG	CAAATAAATC	TGAAAATCTC	2580
CAGAGTCTTT	TGAAGGAACT	CTATGATTCA	CCTAGCGCCC	AACGTTACAG	TGAATCAGAT	2640
GGCCTGGTCT	TTGACCCTGC	TAAGATTATC	AGTCGTACAC	CAAATGGAGT	TGCGATTCCG	2700
CATGGCGACC	ATTACCACTT	TATTCCTTAC	AGCAAGCTTT	CTGCTTTAGA	AGAAAAGATT	2760
GCCAGAATGG	TGCCTATCAG	TGGAACCTGGT	TCTACAGTTT	CTACAAATGC	AAAACCTAAT	2820
GAAGTAGTGT	CTAGTCTAGG	CAGTCTTTCA	AGCAATCCTT	CTTCTTTAAC	GACAAGTAAG	2880
GAGCTCTCTT	CAGCATCTGA	TGGTTATATT	TTTAATCCAA	AAGATATCGT	TGAAGAAACG	2940
GCTACAGCTT	ATATTGTAAG	ACATGGTGAT	CATTTCCATT	ACATTCCAAA	ATCAAAATCAA	3000
ATTGGGCAAC	CGACTCTTCC	AAACAATAGT	CTAGCAACAC	CTTCTCCATC	TCTTCCAATC	3060
AATCCAGGAA	CTTCACATGA	GAAACATGAA	GAAGATGGAT	ACGGATTTGA	TGCTAATCGT	3120
ATTATCGCTG	AAGATGAATC	AGGTTTTGTC	ATGAGTCAAG	GAGACCACAA	TCATTATTTT	3180
TTCAAGAAGG	ACTTGACAGA	AGAGCAAATT	AAGGCTGCGC	AAAAACATTT	AGAGGAAGTT	3240
AAAAGTAGTC	ATAATGGATT	AGATTCTTTG	TCATCTCATG	AACAGGATTA	TCCAGGTAAT	3300
GCCAAAGAAA	TGAAAGATTT	AGATAAAAAA	ATCGAAGAAA	AAATTGCTGG	CATTATGAAA	3360
CAATATGGTG	TCAAACGTGA	AAGTATTGTC	GTGAATAAAG	AAAAAATGC	GATTATTTAT	3420
CCGCATGGAG	ATCACCATCA	TGCAGATCCG	ATTGATGAAC	ATAAACCGGT	TGGAATTGGT	3480
CATTCTCACA	GTAACATGA	ACTGTTTAAA	CCCGAAGAAG	GAGTTGCTAA	AAAAGAAGGG	3540

FIG. 14A

AATAAAGTTT	ATACTGGAGA	AGAATTAACG	AATGTTGTTA	ATTTGTTAAA	AAATAGTACG	3600
TTTAATAATC	AAAACCTTAC	TCTAGCCAAT	GGTCAAAAAC	GCGTTTCTTT	TAGTTTTCCG	3660
CCTGAATTGG	AGAAAAAATT	AGGTATCAAT	ATGCTAGTAA	AATTAATAAC	ACCAGATGGA	3720
AAAGTATTGG	AGAAAGTATC	TGGTAAAGTA	TTTGGAGAAG	GAGTAGGGAA	TATTGCAAAAC	3780
TTTGAATTAG	ATCAACCTTA	TTTACCAGGA	CAAACATTTA	AGTATACTAT	CGCTTCAAAA	3840
GATTATCCAG	AAGTAAGTTA	TGATGGTACA	TTTACAGTTC	CAACCTCTTT	AGCTTACAAA	3900
ATGGCCAGTC	AAACGATTTT	CTATCCTTTC	CATGCAGGGG	ATACTTATTT	AAGAGTGAAC	3960
CCTCAATTGG	CAGTGCCTAA	AGGAACTGAT	GCTTTAGTCA	GAGTGTTTGA	TGAATTTTCAT	4020
GGAAATGCTT	ATTTAGAAAA	TAACATAAAA	GTGGTGAA	TCAAATTACC	GATTCCGAAA	4080
TTAAACCAAG	GAACAACCAG	AACGGCCGGA	AATAAAATTC	CTGTAACCTT	CATGGCAAAT	4140
GCTTATTTGG	ACAATCAATC	GACTTATATT	GTGGAAGTAC	CTATCTTGGA	AAAAGAAAAT	4200
CAAACTGATA	AACCAAGTAT	TCTACCACAA	TTTAAAAGGA	ATAAAGCACA	AGAAAACTCA	4260
AAACTTGATG	AAAAGGTAGA	AGAACCAAAG	ACTAGTGAGA	AGGTAGAAAA	AGAAAACTT	4320
TCTGAAACTG	GGAATAGTAC	TAGTAATTCA	ACGTTAGAAG	AAGTTCCTAC	AGTGGATCCT	4380
GTACAAGAAA	AAGTAGCAAA	ATTTGCTGAA	AGTTATGGGA	TGAAGCTAGA	AAATGTCTTG	4440
TTTAATATGG	ACGGAACAAT	TGAATTATAT	TTACCATCAG	GAGAAGTCAT	TAAAAAGAAT	4500
ATGGCAGATT	TTACAGGAGA	AGCACCTCAA	GGAAATGGTG	AAAATAAACC	ATCTGAAAAT	4560
GGAAAAGTAT	CTACTGGAAC	AGTTGAGAAC	CAACCAACAG	AAAATAAACC	AGCAGATTCT	4620
TTACCAGAGG	CACCAAACGA	AAAACCTGTA	AAACCAGAAA	ACTCAACGGA	TAATGGAATG	4680
TTGAATCCAG	AAGGGAATGT	GGGGAGTGAC	CCTATGTTAG	ATCCAGCATT	AGAGGAAGCT	4740
CCAGCAGTAG	ATCCTGTACA	AGAAAAATTA	GAAAAATTTA	CAGCTAGTTA	CGGATTAGGC	4800
TTAGATAGTG	TTATATTCAA	TATGGATGGA	ACGATTGAAT	TAAGATTGCC	AAGTGGAGAA	4860
GTGATAAAAA	AGAATTTATC	TGATTTTATA	GCGTAAGGAA	TAGCAGTAGA	AAAAGTCTGA	4920
ATCAAAAATG	AAGTTCTCTC	AAAAGTTAGA	AATAAACTC	TGACTTTGGG	AGAATTTTCAT	4980
TTTATTATTA	ATATATAAAA	TTTCTTGACA	TACAACCTAA	AAAGAGGTGG	AATATTTACT	5040
AGTTAATT	(SEQ ID NO : 11)					5048

CAGAGATCTT	AGTGAATCAA	ATATACTTAA	GAAAAGAGGA	AAGAATGAAA	ATCAATAAAA	60
AATATCTAGC	TGGGTCAGTA	GCTACACTTG	TTTTAAGTGT	CTGTGCTTAT	GAAC TAGGTT	120
TGCATCAAGC	TCAAAC TGTA	AAAGAAAATA	ATCGTGTTTC	CTATATAGAT	GGAAAACAAG	180
CGACGCAAAA	AACGGAGAAT	TTGACTCCTG	ATGAGGT TAG	CAAGCGTGAA	GGAA TCAACG	240
CCGAACAAAT	CGTCATCAAG	ATTACGGATC	AAGGTTATGT	GACCTCTCAT	GGAGACCATT	300
ATCATTACTA	TAATGGCAAG	GTCCCTTATG	ATGCCATCAT	CAGTGAAGAG	CTCCTCATGA	360
AAGATCCGAA	TTATCAGTTG	AAGGATT CAG	ACATTGTCAA	TGAAATCAAG	GGTGGTTATG	420
TCATTAAGGT	AAACGGTAAA	TACTATGTTT	ACCTTAAGGA	TGCAGCTCAT	GCGGATAATG	480
TCCGTACAAA	AGAAGAAAATC	AATCGGCAAA	AACAAGAACA	TAGTCAGCAT	CGTGAAGGAG	540
GGACTTCAGC	AAACGATGGT	GCGGTAGCCT	TTGCACGTTT	ACAGGGACGC	TACACCACAG	600
ATGATGGTTA	TATCTTCAAT	GCATCTGATA	TCATCGAAGA	TACGGGCGAT	GCCTATATCG	660
TTCTCATG	AGATCATTAC	CATTACATTC	CTAAGAATGA	GTTATCAGCT	AGCGAGTTGG	720
CTGCTGCAGA	AGCCTTCCTA	TCTGGTCGGG	AAAATCTGTC	AAATTTAAGA	ACCTATCGCC	780
GACAAAATAG	CGATAACACT	CCAAGAACAA	ACTGGGTACC	TTCTGTAAGC	AATCCAGGAA	840
CTACAAATAC	TAACACAAGC	AACAACAGCA	ACACTAACAG	TCAAGCAAGT	CAAAGTAATG	900
ACATTGATAG	TCTCTTGA	CAGCTCTACA	AACTGCCCTT	GAGTCAACGC	CATGTAGAAT	960
CTGATGGCCT	TATTTTCGAC	CCAGCGCAAA	TCACAAGTCG	AACCGCCAGA	GGTGTAGCTG	1020
TCCCTCATG	TAACCATTAC	CACTTTATCC	CTTATGAACA	AATGTCTGAA	TTGGAAAAAC	1080
GAATTGCTCG	TATTATTCCC	CTTCGTTATC	GTTCAAACCA	TTGGGTACCA	GATTCAAGAC	1140
CAGAAGAACC	AAGTCCACAA	CCGACTCCAG	AACCTAGTCC	AAGTCCGCAA	CCTGCACCAG	1200
ATCCTCAACC	AGCTCCAAGC	AATCCAATTG	ATGAGAAAAT	GGTCAAAGAA	GCTGTTCCGAA	1260
AAGTAGGCGA	TGGTTATGTC	TTTGAGGAGA	ATGGAGTTTC	TCGTTATATC	CCAGCCAAGA	1320
ATCTTTCAGC	AGAAACAGCA	GCAGGCATTG	ATAGCAAAC	GGCCAAGCAG	GAAAGTTTAT	1380
CTCATAAGCT	AGGAGCTAAG	AAAAC TGACC	TCCCATCTAG	TGATCGAGAA	TTTACAATA	1440
AGGCTTATGA	CTTACTAGCA	AGAATTCACC	AAGATTTACT	TGATAATAAA	GGTCGACAAG	1500
TTGATTTTGA	GGCTTTGGAT	AACCTGTTGG	AACGACTCAA	GGATGTCTCA	AGTGATAAAG	1560
TCAAGTTAGT	GGATGATATT	CTTGCCCTTCT	TAGCTCCGAT	TCGT CATCCA	GAACGTTTAG	1620
GAAAACCAAA	TGCGCAAAAT	ACCTACACTG	ATGATGAGAT	TCAAGTAGCC	AAGTTGGCAG	1680
GCAAGTACAC	AACAGAAGAC	GGTTATATCT	TTGATCCTCG	TGATATAACC	AGTGATGAGG	1740
GGGATGCCTA	TGTAAC TCCA	CATATGACCC	ATAGCCACTG	GATTAAAAAA	GATAGTTTGT	1800
CTGAAGCTGA	GAGAGCGGCA	GCCCAGGCTT	ATGCTAAAGA	GAAAGGTTTG	ACCCCTCCTT	1860
CGACAGACCA	TCAGGATTCA	GGAAATACTG	AGGCAAAAGG	AGCAGAAGCT	ATCTACAACC	1920
GCGTGAAAGC	AGCTAAGAAG	GTGCCACTTG	ATCGTATGCC	TTACAATCTT	CAATATACTG	1980
TAGAAGTCAA	AAACGGTAGT	TTAATCATAC	CTCATTATGA	CCATTACCAT	AACATCAAAT	2040
TTGAGTGGTT	TGACGAAGGC	CTTTATGAGG	CACCTAAGGG	GTATACTCTT	GAGGATCTTT	2100
TGGCGACTGT	CAAGTACTAT	GTCGAACATC	CAAACGAACG	TCCGCATTCA	GATAATGGTT	2160
TTGGTAACGC	TAGCGACCAT	GTTCAAAGAA	ACAAAAATGG	TCAAGCTGAT	ACCAATCAAA	2220
CGGAAAAACC	AAGCGAGGAG	AAACCTCAGA	CAGAAAAACC	TGAGGAAGAA	ACCCCTCGAG	2280
AAGAGAAACC	ACAAAGCGAG	AAACCAGAGT	CTCCAAAACC	AACAGAGGAA	CCAGAAGAAG	2340
AATCACCAGA	GGAATCAGAA	GAACCTCAGG	TCGAGACTGA	AAAGGTTGAA	GAAAACTGA	2400
GAGAGGCTGA	AGATTTACTT	GGAAAAATCC	AGGATCCAAT	TATCAAGTCC	AATGCCAAAG	2460
AGACTCTCAC	AGGATTAAAA	AATAATTTAC	TATTTGGCAC	CCAGGACAAC	AATACTATTA	2520
TGGCAGAAGC	TGAAAAACTA	TTGGCTTTAT	TAAAGGAGAG	TAAGTAAAGG	TAGCAGCATT	2580
TTCTAACTCC	TAAAAACAGG	ATAGGAGAAC	GGGAAAACGA	AAAATGAGAG	CAGAATGTGA	2640
GTTCTAG	(SED ID NO : 12)					2647

GGGTCTTAAA	ACTCTGAATC	CTTTAGAGGC	AGACCCACAA	AATGACAAGA	CCTATTTAGA	60
AAATCTGGAA	GAAAATATGA	GTGTTCTAGC	AGAAGAATTA	AAGTGAGGAA	AGAATGAAAA	120
TCAATAAAAA	ATATCTAGCA	GGTTCAGTGG	CAGTCCTTGC	CCTAAGTGTT	TGTTCTATG	180
AACTTGGTCG	TCACCAAGCT	GGTCAGGTTA	AGAAAGAGTC	TAATCGAGTT	TCTTATATAG	240
ATGGTGATCA	GGCTGGTCAA	AAGGCAGAAA	ATTTGACACC	AGATGAAGTC	AGTAAGAGAG	300
AGGGGATCAA	CGCCGAACAA	ATTGTTATCA	AGATTACGGA	TCAAGGTTAT	GTGACCTCTC	360
ATGGAGACCA	TTATCATTAC	TATAATGGCA	AGGTTCCCTA	TGATGCCATC	ATCAGTGAAG	420
AACTTCTCAT	GAAAGATCCG	AATTATCAGT	TGAAGGATTC	AGACATTGTC	AATGAAATCA	480
AGGGTGGCTA	TGTGATTAAG	GTAGACGGAA	AATACTATGT	TTACCTTAAA	GATGCGGCCC	540
ATGCGGACAA	TATTCGGACA	AAAGAAGAGA	TTAAACGTCA	GAAGCAGGAA	CACAGTCATA	600
ATCATAACTC	AAGAGCAGAT	AATGCTGTTG	CTGCAGCCAG	AGCCCAAGGA	CGTTATACAA	660
CGGATGATGG	GTATATCTTC	AATGCATCTG	ATATCATTGA	GGACACGGGT	GATGCTTATA	720
TCGTTCCCTCA	CGGCGACCAT	TACCATTACA	TTCCCTAAGAA	TGAGTTATCA	GCTAGCGAGT	780
TAGCTGCTGC	AGAAGCCTAT	TGGAATGGGA	AGCAGGGATC	TCGTCCTTCT	TCAAGTTCTA	840
GTTATAATGC	AAATCCAGTT	CAACCAAGAT	TGTCAGAGAA	CCACAATCTG	ACTGTCCTC	900
CAACTTATCA	TCAAAATCAA	GGGGAAAACA	TTTCAAGCCT	TTTACGTGAA	TTGTATGCTA	960
AACCCTTATC	AGAACGCCAT	GTAGAATCTG	ATGGCCTTAT	TTTCGACCCA	GCGCAAATCA	1020
CAAGTCGAAC	CGCCAGAGGT	GTAGCTGTCC	CTCATGGTAA	CCATTACCAC	TTTATCCCTT	1080
ATGAACAAAT	GTCTGAATTG	GAAAAACGAA	TTGCTCGTAT	TATTCCTTCT	CGTTATCGTT	1140
CAAACCATTG	GGTACCAGAT	TCAAGACCAG	AACAACCAAG	TCCACAATCG	ACTCCGGAAC	1200
CTAGTCCAAG	TCTGCAACCT	GCACCAAATC	CTCAACCAGC	TCCAAGCAAT	CCAATTGATG	1260
AGAAATTTGGT	CAAAGAAGCT	GTTGCAAAAAG	TAGGCGATGG	TTATGTCTTT	GAGGAGAATG	1320
GAGTTTCTCG	TTATATCCCA	GCCAAGGATC	TTTCAGCAGA	AACAGCAGCA	GGCATTGATA	1380
GCAAACTGGC	CAAGCAGGAA	AGTTTATCTC	ATAAGCTAGG	AGCTAAGAAA	ACTGACCTCC	1440
CATCTAGTGA	TCGAGAATTT	TACAATAAGG	CTTATGACTT	ACTAGCAAGA	ATTACCAAG	1500
ATTTACTTGA	TAATAAAGGT	CGACAAGTTG	ATTTTGAGGT	TTTGGATAAC	CTGTTGGAAC	1560
GACTCAAGGA	TGCTCAAGT	GATAAAGTCA	AGTTAGTGGA	TGATATTCTT	GCCTTCTTAG	1620
CTCCGATTCTG	TCATCCAGAA	CGTTTAGGAA	AACCAATGTC	GCAAATTACC	TACACTGATG	1680
ATGAGATTCA	AGTAGCCAAG	TTGGCAGGCA	AGTACACAAC	AGAAGACGGT	TATATCTTTG	1740
ATCCTCGTGA	TATAACCAGT	GATGAGGGGG	ATGCCTATGT	AACCTCCACAT	ATGACCCATA	1800
GCCACTGGAT	TAAAAAAGAT	AGTTTGTCTG	AAGCTGAGAG	AGCGGCAGCC	CAGGCTTATG	1860
CTAAAGAGAA	AGGTTTGACC	CCTCCTTCGA	CAGACCACCA	GGATTTCAGGA	AATACTGAGG	1920
CAAAGGAGC	AGAAGCTATC	TACAACCGCG	TGAAAGCAGC	TAAGAAGGTG	CCACTTGATC	1980
GTATGCCTTA	CAATCTTCAA	TATACTGTAG	AAGTCAAAAA	CGGTAGTTTA	ATCATACCTC	2040
ATTATGACCA	TTACCATAAC	ATCAAATTTG	AGTGGTTTGA	CGAAGGCCTT	TATGAGGCAC	2100
CTAAGGGGTA	TAGTCTTGAG	GATCTTTTGG	CGACTGTCAA	GTACTATGTC	GAACATCCAA	2160
ACGAACGTCC	GCATTTCAGAT	AATGGTTTTG	GTAACGCTAG	TGACCATGTT	CGTAAAAATA	2220
AGGCAGACCA	AGATAGTAAA	CCTGATGAAG	ATAAGGAACA	TGATGAAGTA	AGTGAGCCAA	2280
CTCACCTTGA	ATCTGATGAA	AAAGAGAATC	ACGCTGGTTT	AAATCCTTCA	GCAGATAATC	2340
TTTATAAACC	AAGCACTGAT	ACGGAAGAGA	CAGAGGAAGA	AGCTGAAGAT	ACCACAGATG	2400
AGGCTGAAAT	TCCTCAAGTA	GAGAATTCTG	TTATTAACGC	TAAGATAGCA	GATGCGGAGG	2460
CCTTGCTAGA	AAAAGTAAAC	GATCCTAGTA	TTAGACAAAA	TGCTATGGAG	ACATTGACTG	2520
GTCTAAAAAG	TAGTCTTCTT	CTCGGAACGA	AAGATAATAA	CACTATTTCA	GCAGAAGTAG	2580
ATAGTCTCTT	GGCTTTGTTA	AAAGAAAGTC	AACCGGCTCC	TATACAGTAG	TAAATGAA	2639

(SEQ ID NO : 13)

MKINKKYL	AG	SVAVLALSVC	SYELGRHQAG	QVKKESNRVS	YIDGDQAGQK	50
AENLTPDEV	S	KREGINAEQI	VIKITDQGYV	TSHGDHYHY	NGKVPYDAII	100
SEELLMKDP	N	YQLKSDIVN	EIKGGYVIKV	DGKYVYVYLD	AAHADNIRTK	150
EEIKRQKQEH		SHNHNSRADN	AVAAARAQGR	YTDDGYIFN	ASDIIEDTGD	200
AYIVPHGDHY		HYIPKNELSA	SELAAAEAYW	NGKQGSRPSS	SSSYNANPVQ	250
PRLSENHNLT		VTPTYHQNQG	ENISSLLREL	YAKPLSERHV	ESDGLIFDPA	300
QITSRTARGV		AVPHGNHYHF	IPYEQMSELE	KRIARIIPLR	YRSNHWVPDS	350
RPEQSPSQST		PEPSPSLQPA	PNPQPAPSNP	IDEKLVKEAV	RKVGDGYVFE	400
ENGVSRYIPA		KDLSAETAAG	IDSKLAKQES	LSHKLGAOKT	DLPSSDREFY	450
NKAYDLLARI		HQDLLDNKGR	QVDFEVLN	LERLKDVS	SSD	500
FLAPIRHPER		LGKPNAQITY	TDDEIQVAKL	AGKYTTEDGY	IFDPRDITSD	550
EGDAYVT	PHM	THSHWIKKDS	LSEAERAAAQ	AYAKEKGLTP	PSTDHQDSGN	600
TEAKGAEAIY		NRVKAACKVP	LDRMPYNLQY	TVEVKNGSLI	IPHYDHYHNI	650
KFEWFDEGLY		EAPKGYSLED	LLATVKYYVE	HPNERPHSDN	GFGNASDHVR	700
KNKADQDSKP		DEDKEHDEVS	EPTHPESDEK	ENHAGLNPSA	DNLYKPSTDT	750
EETEEEAEDT		TDEAEIPQVE	NSVINAKIAD	AEALLEKVT	D	800
LTGLKSSLL	LL	GTKDNNTISA	EVDSLLALLK	ESQPAPIQ		838

(SEQ ID NO : 14)

TGTGCCTATG	CACTAAACCA	GCATCGTTCG	CAGGAAAATA	AGGACAATAA	TCGTGTCTCT	60
TATGTGGATG	GCAGCCAGTC	AAGTCAGAAA	AGTGAAAAC	TGACACCAGA	CCAGGTTAGC	120
CAGAAAGAAG	GAATTCAGGC	TGAGCAAATT	GTAATCAAAA	TTACAGATCA	GGGCTATGTA	180
ACGTCACACG	GTGATCACTA	TCATTACTAT	AATGGGAAAG	TTCCTTATGA	TGCCCTCTTT	240
AGTGAAGAAC	TCTTGATGAA	GGATCCAAAC	TATCAACTTA	AAGACGCTGA	TATTGTCAAT	300
GAAGTCAAGG	GTGGTTATAT	CATCAAGGTC	GATGGAAAAT	ATTATGTCTA	CCTGAAAGAT	360
GCAGCTCATG	CTGATAATGT	TCGAACTAAA	GATGAAATCA	ATCGTCAAAA	ACAAGAACAT	420
GTCAAAGATA	ATGAGAAAGT	TAACCTCTAAT	GTTGCTGTAG	CAAGGTCTCA	GGGACGATAT	480
ACGACAAATG	ATGGTTATGT	CTTTAATCCA	GCTGATATTA	TCGAAGATAC	GGGTAATGCT	540
TATATCGTTC	CTCATGGAGG	TCACATATCAC	TACATTCCCA	AAAGCGATTT	ATCTGCTAGT	600
GAATTAGCAG	CAGCTAAAGC	ACATCTGGCT	GGAAAAATA	TGCAACCGAG	TCAGTTAAGC	660
TATTCTTCAA	CACCTTCTCC	ATCTCTTCCA	ATCAATCCAG	GAACCTCACA	TGAGAAACAT	720
GAAGAAGATG	GATACGGATT	TGATGCTAAT	CGTATTATCG	CTGAAGATGA	ATCAGGTTTT	780
GTCATGAGTC	ACGGAGACCA	CAATCATTAT	TTCTTCAAGA	AGGACTTGAC	AGAAGAGCAA	840
ATTAAGGCTG	CGCAAAAACA	TTTAGAGGAA	GTTAAACTA	GTCATAATGG	ATTAGATTCT	900
TTGTCTATCT	ATGAACAGGA	TTATCCAAGT	AATGCCAAAG	AAATGAAAGA	TTTAGATAAA	960
AAAATCGAAG	AAAAAATTGC	TGGCATTATG	AAACAATATG	GTGTCAAACG	TGAAAGTATT	1020
GTCGTGAATA	AAGAAAAAAA	TGCGATTATT	TATCCGCATG	GAGATCACCA	TCATGCAGAT	1080
CCGATTGATG	AACATAAACC	GGTTGGAATT	GGTCATTCTC	ACAGTAACTA	TGAAGTGT	1140
AAACCCGAAG	AAGGAGTTGC	TAAAAAAGAA	GGGAATAAAG	TTTATACTGG	AGAAGAATTA	1200
ACGAATGTTG	TTAATTGTGT	AAAAAATAGT	ACGTTTAATA	ATCAAACTT	TACTCTAGCC	1260
AATGGTCAAA	AACGCGTTTC	TTTTAGTTT	CCGCCTGAAT	TGGAGAAAAA	ATTAGGTATC	1320
AATATGCTAG	TAAAATTAAT	AACACCAGAT	GGAAAAGTAT	TGGAGAAAGT	ATCTGGTAAA	1380
GTATTTGGAG	AAGGAGTAGG	GAATATTGCA	AACTTTGAAT	TAGATCAACC	TTATTTACCA	1440
GGACAAACAT	TTAAGTATAC	TATCGCTTCA	AAAGATTATC	CAGAAGTAAG	TTATGATGGT	1500
ACATTTACAG	TTCCAACCTC	TTTAGCTTAC	AAAATGGCCA	GTCAAACGAT	TTTCTATCCT	1560
TTCCATGCAG	GGGATACTTA	TTTAAGAGTG	AACCCTCAAT	TTGCAGTGCC	TAAAGGAACT	1620
GATGCTTTAG	TCAGAGTGTT	TGATGAATTT	CATGGAAAATG	CTTATTTAGA	AAATAACTAT	1680
AAAGTTGGTG	AAATCAAATT	ACCGATTCCG	AAATTAAACC	AAGGAACAAC	CAGAACGGCC	1740
GGAAATAAAA	TTCCTGTAA	CTTCATGGCA	AATGCTTATT	TGGACAATCA	ATCGACTTAT	1800
ATTGTGGAAG	TACCTATCTT	GGAAAAAGAA	AATCAAACTG	ATAAACCAAG	TATTCTACCA	1860
CAATTTAAAA	GGAATAAAGC	ACAAGAAAAC	TCAAACTTG	ATGAAAAGGT	AGAAGAACCA	1920
AAGACTAGTG	AGAAGGTAGA	AAAAGAAAAA	CTTTCTGAAA	CTGGGAATAG	TACTAGTAAT	1980
TCAACGTTAG	AAGAAGTTCC	TACAGTGGAT	CCTGTACAAG	AAAAAGTAGC	AAAATTTGCT	2040
GAAAGTTATG	GGATGAAGCT	AGAAAATGTC	TTGTTTAATA	TGGACGGAAC	AATTGAATTA	2100
TATTTACCAT	CGGGAGAAGT	CATTAAAAAG	AATATGGCAG	ATTTTACAGG	AGAAGCACCT	2160
CAAGGAAATG	GTGAAAATAA	ACCATCTGAA	AATGGAAAAG	TATCTACTGG	AACAGTTGAG	2220
AACCAACCAA	CAGAAAATAA	ACCAGCAGAT	TCTTTACCAG	AGGCACCAA	CGAAAAACCT	2280
GTAACCAACG	AAAACCTCAAC	GGATAATGGA	ATGTTGAATC	CAGAAGGGAA	TGTGGGGAGT	2340
GACCCTATGT	TAGATTCAGC	ATTAGAGGAA	GCTCCAGCAG	TAGATCCTGT	ACAAGAAAAA	2400
TTAGAAAAAT	TTACAGCTAG	TTACGGATTA	GGCTTAGATA	GTGTTATATT	CAATATGGAT	2460
GGAACGATTG	AATTAAGATT	GCCAAGTGGA	GAAGTGATAA	AAAAGAATTT	ATTGATCTCA	2520
TAGCGTAA	(SEQ ID NO : 15)					2528

CAYALNQHRS	QENKDNHRVS	YVDGSQSSQK	SENLTDPQVS	QKEGIAEQEI	50
VIKITDQGYV	TSHGDHYHYH	NGKVPYDALF	SEELLMKDPN	YQLKDADIVN	100
EVKGGYIIKV	DGKYVYVLKD	AAHADNVRTK	DEINRQKQEH	VKDNEKVNSN	150
VAVARSQGRY	TTNDGYVFNP	ADIIEDTGNA	YIVPHGGHYH	YIPKSDLAS	200
ELAAAKAHLA	GKNMQPSQLS	YSSTPSPSLP	INPGTSHEKH	EEDGYGFDAN	250
RIIAEDES GF	VMSHGDHNHY	FFKKDLTEEQ	IKAAQKHLEE	VKTSHNGLDS	300
LSSHEQDYP	NAKEMKDLDK	KIEEKIAGIM	KQYGVKRESI	VVNKEKNAIL	350
YPHGDHHD	PIDEHKPVGI	GHSHSNYELF	KPEEGVAKKE	GNKVYTGEEL	400
TNVVNLLKNS	TFNNQNFTLA	NGQKRVSFSF	PPELEKKLGI	NMLVKLITPD	450
GKVLEKVS GK	VFGEGVGNIA	NFELDQPYLP	GQTFKYTIAS	KDYPEVSYDG	500
TFTVPTSLAY	KMASQTIFYP	FHAGDTYLRV	NPQFAVPKGT	DALVRVFDEF	550
HGNAYLENNY	KVGEIKLPI	KLNQGTTRTA	GNKIPVTFMA	NAYLDNQSTY	600
IVEVPILEKE	NQTDKPSILP	QFKRNKAQEN	SKLDEKVEEP	KTSEKVEKEK	650
LSETGNSTSN	STLEEVPTVD	PVQEKVAKFA	ESYGMKLENV	LFNMDGTIEL	700
YLPSGEVIKK	NMADFTGEAP	QNGENKPKSE	NGKVSTGTVE	NQPTENKPAD	750
SLPEAPNEKP	VKPENSTDNG	MLNPEGNVGS	DPMLDSALEE	APAVDPVQEK	800
LEKFTASYGL	GLDSVIFNMD	GTIELRLPSG	EVIKKNLLIS		840
(SEQ ID NO : 16)					

FIG. 19

CAYALNQHRS	QENKDNHRVS	YVDGSQSSQK	SENLTDPQVS	QKEGIAEQEI	50
VIKITDQGYV	TSHGDHYHYH	NGKVPYDALF	SEELLMKDPN	YQLKDADIVN	100
EVKGGYIIKV	DGKYVYVLKD	AAHADNVRTK	DEINRQKQEH	VKDNEKVNSN	150
VAVARSQGRY	TTNDGYVFNP	ADIIEDTGNA	YIVPHGGHYH	YIPKSDLAS	200
ELAAAKAHLA	GKNMQPSQLS	YSSTASDNNT	QSVAKGSTSK	PANKSENLOS	250
LLKELYDSPS	AQRYSESDGL	VFDPAKIISR	TPNGVAIPHG	DHYHFIPYSK	300
LSALEEKIAR	MVPISGTGST	VSTNAKPNEV	VSSLGSLSSN	PSSLTTSKEL	350
SSASDGYIFN	PKDIVEETAT	AYIVRHGDHF	HYIPKSNQIG	QPTLPNNSLA	400
TPSPSLPINP	GTSHEKHEED	GYGFDANRII	AEDESGFVMS	HGDHNHYFFK	450
KDLTEEQIKA	AQKHLEEVKT	SHNGLDSLSS	HEQDYPGNAK	EMKDLDKKIE	500
EKIAGIMKQY	GVKRESIVVN	KEKNAILIYPH	GDHHHADPID	EHKPVGIGHS	550
HSNYELFKPE	EGVAKKEGNK	VYTGEELTNV	VNLLKNSTFN	NQNFTLANGQ	600
KRVSFSPFPE	LEKKLGINML	VKLITPDGKV	LEKVS GKVFG	EGVGNIANFE	650
LDQPYLPQGT	FKYTIASKDY	PEVSYDGTFT	VPTSLAYKMA	SQTIFYPFHA	700
GDTYLRVNPQ	FAVPKGTDAL	VRVFDEFHGN	AYLENNYKVG	EIKLPIPKLN	750
QGTTRTAGNK	IPVTFMANAY	LDNQSTYIVE	VPILEKENQT	DKPSILPQFK	800
RNKAQENSKL	DEKVEEPKTS	EKVEKEKLSE	TGNSTSNSTL	EEVPTVDPVQ	850
EKVAKFAESY	GMKLENVLFN	MDGTIELYLP	SGEVIKKNMA	DFTGEAPQGN	900
GENKPSENGK	VSTGTVENQP	TENKPADSLP	EAPNEKPVKP	ENSTDNGMLN	950
PEGNVGS DPM	LDPAL EEAPA	VDPVQEKLEK	FTASYGLGLD	SVIFNMDGTI	1000
ELRLPSGEVI	KKNLSDFIA				1019
(SEQ ID NO : 55)					

FIG. 20

CAYALNQHRS	QENKDNMRVS	YVDGSQSSQK	SENLTDPQVS	QKEGIQAEQI	50
VIKITDQGYV	TSHGDHYHY	NGKVPYDALF	SEELLMKDPN	YQLKDADIVN	100
EVKGGYIIKV	DGKYVYVLKD	AAHADNVRTK	DEINRQKQEH	VKDNEKVNSN	150
VAVARSQGRY	TTNDGYVFNP	ADIIEDTGNA	YIVPHGGHYH	YIPKSDLAS	200
ELAAAKAHLA	GKNMQPSQLS	YSSTASDNNT	QSVAKGSTSK	PANKSENLOS	250
LLKELYDSPA	AQRYSESDDL	VFDPAKIISR	TPNGVAIPHG	DHYHFIPYSK	300
LSALEEKIAR	MVPISGTGST	VSTNAKPNEV	VSSLGSLSSN	PSSLTTSKEL	350
SSASDGYIFN	PKDIVEETAT	AYIVRHGDHF	HYIPKSNQIG	QPTLPNNSLA	400
TPSPSLPINP	GTSHEKHEED	GYGFDANRII	AEDESGFVMS	HGDHNHYFFK	450
KDLTEEQIKA	AQKHLEEVKT	SHNGLDSLSS	HEQDYPGNA		489

(SEQ ID NO : 56)

FIG. 21

MKFSKKYIAA	GSAVIVLSL	CAYALNQHRS	QENKDNMRVS	YVDGSQSSQK	SENLTDPQVS	60
QKEGIQAEQI	VIKITDQGYV	TSHGDHYHY	NGKVPYDALF	SEELLMKDPN	YQLKDADIVN	120
EVKGGYIIKV	DGKYVYVLKD	AAHADNVRTK	DEINRQKQEH	VKDNEKVNSN	VAVARSQGRY	180
TTNDGYVFNP	ADIIEDTGNA	YIVPHGGHYH	YIPKSDLAS	ELAAAKAHLA	GKNMQPSQLS	240
YSSTASDNNT	QSVAKGSTSK	PANKSENLOS	LLKELYDSPA	AQRYSESDDL	VFDPAKIISR	300
TPNGVAIPHG	DHYHFIPYSK	LSALEEKIAR	MVPISGTGST	VSTNAKPNEV	VSSLGSLSSN	360
PSSLTTSKEL	SSASDGYIFN	PKDIVEETAT	AYIVRHGDHF	HYIPKSNQIG	QPTLPNNSLA	420
TPSPSLPINP	GTSHEKHEED	GYGFDANRII	AEDESGFVMS	HGDHNHYFFK	KDLTEEQIKA	480
AQKHLEEVKT	SHNGLDSLSS	HEQDYPGNA	(SEQ ID NO : 57)			509

FIG. 22

DLTEEQIKAA	QKHLEEVKTS	HNGLDSLSSH	EQDYPGNAKE	MKDLDKKIEE	50
KIAGIMKQYG	VKRESIVVNK	EKNALIYPHG	DHHHADPIDE	HKPVGIGHSH	100
SNYELFKPEE	GVAKEGKNV	YTGEELTNVV	NLLKNSTFNN	QNFTLANGQK	150
RVSFSFPPEL	EKKLGINMLV	KLITPDGKVL	EKVSQKVFGE	GVGNIANFEL	200
DQPYLPGQTF	KYTIASKDYP	EVSYDGTFTV	PTSLAYKMAS	QTIFYPPFHAG	250
DTYLRVNPQF	AVPKGTDALV	RVFDEFHGNA	YLENNYKVGE	IKLPIPKLNQ	300
GTTRTAGNKI	PVTFMANAYL	DNQSTYIVEV	PILEKENQTD	KPSILPQFKR	350
NKAQENSKLD	EKVEEPTSE	KVEKEKLSET	GNSTSNSTLE	EVPTVDPVQE	400
KVAKFAESYG	MKLENVLFNM	DGTIELYLPS	GEVIKKNMAD	FTGEAPQGNG	450
ENKPSSENGKV	STGTVENQPT	ENKPADSLPE	APNEKPVKPE	NSTDNGMLNP	500
EGNVGSDPML	DPALKEEAPAV	DPVQEKLEKF	TASYGLGLDS	VIFNMDGTIE	550
LRLPSGSEVIK	KNLSDFIAKL	RYRSNHWVPD	SRPEEPSQPQ	TPEPSPSPQP	600
APNPQPAPSN	PIDEKLVKEA	VRKVGDDYVF	EENGVSRYIP	AKNLSAETAA	650
GIDSKLAKQE	SLSHKLGAKK	TDLPSDDREF	YNKAYDLLAR	IHQDLLDNKG	700
RQVDFEALDN	LLERLKDVS	DKVKLVDDIL	AFLAPIRHPE	RLGKPNQAQIT	750
YTDDEIQVAK	LAGKYTTEDG	YIFDPRDITS	DEGDAYVTPH	MTHSHWIKKD	800
SLSEAERAAA	QAYAKEKGLT	PPSTDHQDSG	NTEAKGAEAI	YNRVKAAKKV	850
PLDRMPYNLQ	YTVEVKNGSL	IIPHYDHYHN	IKFEWFDEGL	YEAPKGYTLE	900
DLLATVKYIV	EHPNERPHSD	NGFGNASDHV	QRNKNQADT	NQTEKPSSEK	950
PQTEKPEEET	PREEKPQSEK	PESPKPTEEP	EEESPREESE	PQVETEKVEE	1000
KLREAEDLLG	KIQDPIIKSN	AKETLTGLKN	NLLFGTQDNN	TIMAEAEKLL	1050
ALLKESK	(SEQ ID NO : 58)				1057

FIG. 23

CAYALNQHRS	QENKDNRRVS	YVDGSQSSQK	SENLTDPQVS	QKEGIQAEQI	50
VIKITDQGYV	TSHGDHYHYH	NGKVPYDALF	SEELLMKDPN	YQLKDADIVN	100
EVGKGYIIKV	DGKYVYVLKD	AAHADNVRTK	DEINRQKQEH	VKDNEKVNSN	150
VAVARSQGRY	TTNDGYVFNP	ADIIEDTGNA	YIVPHGGHYH	YIPKSDLAS	200
ELAAA	(SEQ ID NO : 59)				205

FIG. 24

CAYELGLHQA	QTVKENNRVS	YIDGKQATQK	TENLTPDEVS	KREGINAEQI	50
VIKITDQGYV	TSHGDHYHYH	NGKVPYDAII	SEELLMKDPN	YQLKDSDIVN	100
EIKGGYVIKV	NGKYVYVLKD	AAHADNVRTK	EEINRQKQEH	SQHREGGTTSA	150
NDGAVAFARS	QGRYTTDDGY	IFNASDIIED	TGDAYIVPHG	DHYHYIPKNE	200
LSASELAAAE	AFLSGRENLS	NLRTYRRQNS	DNTPRTNWVP	SVSNPGTTNT	250
NTSNNSNTNS	QASQSNDDIDS	LLKQLYKLPL	SQRHVESDGL	IFDPAQITSR	300
TARGVAVPHG	NHYHFIPYEQ	MSELEKRIAR	IIPLYRSNH	WVPDSRPEEP	350
SPQPTPEPSP	SPQPAPNPQP	APSNPIDEKL	VKEAVRKVG	GYVFEENGVS	400
RYIPAKNLSA	ETAAGIDSKL	AKQESLSHLK	GAKKTDLPSS	DREFYNKAYD	450
LLARIHQDLL	DNKGRQVDFE	ALDNLLERLK	DVSSDKVKLV	DDILAFLAPI	500
RHPERLGKPN	AQITYTDDDEI	QVAKLAGKYT	TEDGYIFDPR	DITSDEGDAY	550
VTPHMTSHSW	IKKDSLSEAE	RAAAQAYAKE	KGLTPPSTDH	QDSGNTAEAKG	600
AEAIYNRVKA	AKKVPLDRMP	YNLQYTVEVK	NGSLIIPHYD	HYHNIKFEWF	650
DEGLYEAPKG	YTLEDLLATV	KYYVEHPNER	PHSDNGFGNA	SDHVQRNKNG	700
QADTNQTEKP	SEEKQTEKP	EEETPREEKP	QSEKPEPKP	TEEPPEESPE	750
ESEEPQVETE	KVEEKLREAE	DLLGKIQDPI	IKSNAKETLT	GLKNNLLFGT	800
QDNNTIMAEA	EKLLALLKES	K	((SEQ ID NO : 60)		821

FIG. 25

CAYELGLHQA	QTVKENNRVS	YIDGKQATQK	TENLTPDEVS	KREGINAEQI	50
VIKITDQGYV	TSHGDHYHYH	NGKVPYDAII	SEELLMKDPN	YQLKDSDIVN	100
EIKGGYVIKV	NGKYVYVLKD	AAHADNVRTK	EEINRQKQEH	SQHREGGTTSA	150
NDGAVAFARS	QGRYTTDDGY	IFNASDIIED	TGDAYIVPHG	DHYHYIPKNE	200
LSASELAAAE	AFLSGRENLS	NLRTYRRQNS	DNTPRTNWVP	SVSNPGTTNT	250
NTSNNSNTNS	QASQSNDDIDS	LLKQLYKLPL	SQRHVESDGL	IFDPAQITSR	300
TARGVAVPHG	NHYHFIPYEQ	MSELEKRIAR	IIPL		334
(SEQ ID NO : 61)					

FIG. 26

RYRSNHWVPD	SRPEEPSQP	TPEPSPSPQP	APNPQPAPSN	PIDEKLVKEA	50
VRKVGDGYYV	EENGVSRYIP	AKNLSAETAA	GIDSKLAKQE	SLSHKLGAKK	100
TDLPSDREF	YNKAYDLLAR	IHQDLLDNKG	RQVDFEALDN	LLERLKDVS	150
DKVKLVDDIL	AFLAPIRHPE	RLGKPNQAQIT	YTDDEIQVAK	LAGKYTTEDG	200
YIFDPRDITS	DEGDAYVTPH	MTHSHWIKKD	SLSEAERAAA	QAYAKEKGLT	250
PPSTDHQDSG	NTEAKGAEAI	YNRVKAAKKV	PLDRMPYNLQ	YTVEVKNGSL	300
IIPHYDHYHN	IKFEWFDEGL	YEAPKGYTLE	DLLATVKYYV	EHPNERPHSD	350
NGFGNASDHV	QRNKNQADT	NQTEKPSEEK	PQTEKPEEET	PREEKPQSEK	400
PESPKPTEEP	EEESPEESEE	PQVETEKVEE	KLREAEDLLG	KIQDPIIKSN	450
AKETLTGLKN	NLLFGTQDNN	TIMAEAEKLL	ALLKESK		487
(SEQ ID NO : 62)					

FIG. 27

AEAFLSGREN	LSNLRTYRRQ	NSDNTPRTNW	VPSVSNPGTT	NTNTSNNST	50
NSQASQSDI	DSLLKQLYKL	PLSQRHVESD	GLIFDPAQIT	SRTARGVAVP	100
HGNHYHFIPY	EQMSELEKRI	ARIIPLRYS	NHWVPDSRPE	EPSPQPTPEP	150
SPSPQPAPNP	QPAPSNPIDE	KLVKEAVRKV	GDGYVFEENG	VSRYPAPKNL	200
SAETAAGIDS	KLAKQESLSH	KLGAKKTDLP	SSDREFYNKA	YDLLARIHQD	250
LLDNKGRQVD	FEALDNLLER	LKDVSDDKVK	LVDDILAFLA	PIRHPERLGK	300
PNAQITYTDD	EIQVAKLAGK	YTTEDEGYIFD	PRDITSDEGD	AYVTPHMTSH	350
HWIKKDSLSE	AERAAAQAYA	KEKGLTPPST	DHQDSGNTEA	KGAEAIYNRV	400
KAACKVPLDR	MPYNLOYTVE	VKNGSLIIPH	YDHYHNIKFE	WFDEGLYEAP	450
KGYTLEDLLA	TVKYVVEHPN	ERPHSDNGFG	NASDHVQRNK	NGQADTNQTE	500
KPSEEKPQTE	KPEEETPREE	KPQSEKPESP	KPTEEPPEES	PEESEEPQVE	550
TEKVEEKLRE	AEDLLGKIQD	PIIKSNAKET	LTGLKNNLLF	GTQDNNTIMA	600
EAEKLLALLK	ESK	(SEQ ID NO : 63)			613

FIG. 28

DLTEEQIKAA	QKHLEEVKTS	HNGLDLSSH	EQDYPGNAKE	MKDLDKKIEE	50
KIAGIMQYQ	VKRESIVVNK	EKNAIIPYHG	DHHHADPIDE	HKPVGIGHSH	100
SNYELFKPEE	GVAKKEGNKV	YTGEELTNVV	NLLKNSTFNN	QNFTLANGQK	150
RVSFSFPPEL	EKKLGINMLV	KLITPDGKVL	EKVSGKVFG	GVGNIANFEL	200
DQPYLPGQTF	KYTIASKDYP	EVSYDGTFTV	PTSLAYKMAS	QTIFYPPFHAG	250
DTYLRVNPQF	AVPKGTDALV	RVFDEFHGNA	YLENNYKVGE	IKLPIPKLNQ	300
GTTRTAGNKI	PVTFMANAYL	DNQSTYIVEV	PILEKENQTD	KPSILPQFKR	350
NKAQENSKLD	EKVEEPTSE	KVEKEKLSET	GNSTSNSTLE	EVPTVDPVQE	400
KVAKFAESYG	MKLENVLFNM	DGTIELYLPS	GEVIKKNMAD	FTGEAPQGNG	450
ENKPSENGKV	STGTVENQPT	ENKPADSLPE	APNEKPVKPE	NSTDNGMLNP	500
EGNVGSDPML	DPALEEAPAV	DPVQEKLEKF	TASYGLGLDS	VIFNMDGTIE	550
LRLPSGEVIK	KNLSDFIA	(SEQ ID NO : 64)			568

FIG. 29

DLTEEQIKAA	QKHLEEVKTS	HNGLDLSSH	EQDYPGNAKE	MKDLDKKIEE	50
KIAGIMQYQ	VKRESIVVNK	EKNAIIPYHG	DHHHADPIDE	HKPVGIGHSH	100
SNYELFKPEE	GVAKKEGNKV	YTGEELTNVV	NLLKNSTFNN	QNFTLANGQK	150
RVSFSFPPEL	EKKLGINMLV	KLITPDGKVL	EKVSGKVFG	GVGNIANFEL	200
DQPYLPGQTF	KYTIASKDYP	EVSYDGTFTV	PTSLAYKMAS	QTIFYPPFHAG	250
DTYLRVNPQF	AVPKGTDALV	RVFDEFHGNA	YLENNYKVGE	IKLPIPKLNQ	300
GTTRTAGNKI	PVTFMANAYL	DNQSTYIVE	(SEQ ID NO : 65)		329

FIG. 30

EVPILEKENQ	TDKPSILPQF	KRNKAQENSK	LDEKVEEPKT	SEKVEKEKLS	50
ETGNSTSNST	LEEVPTVDPV	QEKVAKFAES	YGMKLENVLF	NMDGTIELYL	100
PSGEVIKKNM	ADFTGEAPQG	NGENKPSENG	KVSTGTVENQ	PTENKPADSL	150
PEAPNEKPVK	PENSTDNGML	NPEGNVGSDP	MLDPALEEAP	AVDPVQEKLE	200
KFTASYGLGL	DSVIFNMDGT	IELRLPSGEV	IKKNLSDFIA		240

(SEQ ID NO : 66)

FIG. 31

DIDSLKQLY	KLPLSQRHVE	SDGLIFDPAQ	ITSRTARGVA	VPHGNHYHFI	50
PYEQMSELEK	RIARIIPRLY	RSNHWVPDSR	PEEPSPOPTP	EPSPSPQAP	100
NPQPAPSNPI	DEKLVKEAVR	KVG DG YVFEE	NGVSRYIPAK	NLSAETAAGI	150
DSKLAKQESL	SHKLGAKKTD	LPSSDREFYN	KAYDLLARIH	QDLLDNKGRQ	200
VDFEALDNLL	ERLKDVSDDK	VKLVDLILAF	LAPIRHPERL	GKPNAQITYT	250
DDEIQVAKLA	GKYTTEDGYI	FDPRDITSDE	GDAYVTPHMT	HSHWIKKDSL	300
SEAERAAAQA	YAKEKGLTPP	STDHQDSGNT	EAKGAEAIYN	RVKAAKKVPL	350
DRMPYNLQYT	VEVKNGSLII	PHYDHYHNIK	FEWFDEGLYE	APKGYTTLEDL	400
LATVKYYVEH	PNERPHSDNG	FGNASDHVQR	NKNGQADTNQ	TEKPSEEKPO	450
TEKPEEETPR	EEKPQSEKPE	SPKPTEEPEE	ESPEESEEPQ	VETEKVEEKL	500
REAEDLLGKI	QDPIIKSNAK	ETLTGLKNNL	LFGTQDNNTI	MAEAEKLLAL	550
LKESK	(SEQ ID NO : 67)				555

FIG. 32

DIDSLKQLY	KLPLSQRHVE	SDGLIFDPAQ	ITSRTARGVA	VPHGNHYHFI	50
PYEQMSELEK	RIARIIPRLY	RSNHWVPDSR	PEEPSPOPTP	EPSPSPQAP	100
NPQPAPSNPI	DEKLVKEAVR	KVG DG YVFEE	NGVSRYIPAK	NLSAETAAGI	150
DSKLAKQESL	SHKLGAKKTD	LPSSDREFYN	KAYDLLARIH	QDLLDNKGRQ	200
VDFEALDNLL	ERLKDVSDDK	VKLVDLILAF	LAPIRHPERL	GKPNAQITYT	250
DDEIQVAKLA	GKYTTEDGYI	FDPRDITSDE	GDAYVTPHMT	HSHWIKKDSL	300
SEAERAAAQA	YAKEKGLTPP	STDHQDSGNT	EAKGAEAIYN	RVKAAKKVPL	350
DRMPYNLQYT	VEVKNGSLII	PHYDHYHNIK	FEWFDEGLYE	APKGYTTLEDL	400
LATVKYYVEH	PNERPHSDNG	FGNASDHV	(SEQ ID NO : 68)		428

FIG. 33

GLYEAPKGYT	LEDLLATVKY	YVEHPNERPH	SDNGFGNASD	HVQRNKNQQA	50
DTNQTEKPSE	EKPQTEKPEE	ETPREEKQPS	EKPESPKPTE	EPEEESPEES	100
EEPQVETEKV	EEKLREAEDL	L	(SEQ ID NO : 69)		121

FIG. 34

ASDHVQRNKN	GQADTNQTEK	PSEEKQTEK	PEEETPREEK	PQSEKPESPK	50
PTEEPEEESP	EESEEPQVET	EKVEEKLREA	EDLLGKIQDP	IIKSNAKETL	100
TGLKNNLLFG	TQDNNTIMAE	AEKLLALLKE	SK		132

(SEQ ID NO : 70)

FIG. 35

DIDSLKQLY	KLPLSQRHVE	SDGLIFDPAQ	ITSRTARGVA	VPHGNHYHFI	50
PYEQMSELEK	RIARIIPRLY	RSNHWVPDSR	PEEPSQPTP	EPSPSPQPAP	100
NPQPAPSNPI	DEKLVKEAVR	KVGDDGYVFE	NGVSRYPAP	NLSAETAAGI	150
DSKLAKQESL	SHKLGAKKTD	LPSSDREFYN	KAYDLLARIH	QDLLDNKGRQ	200
VDFEALDNLL	ERLKDVSDDK	VKLVD	(SEQ ID NO : 71)		226

FIG. 36

DILAFLAPIR	HPERLGKPN	QITYTDDEIQ	VAKLAGKYTT	EDGYIFDPRD	50
ITSDEGDAYV	TPHMTSHWI	KKDSLSEAE	AAAQAYAKE	GLTPPSTDHQ	100
DSGNTEAKGA	EAIYNRVKAA	KKVPLDRMPY	NLQYTVKVN	GSLLIPHYDH	150
YHNIKFEWFD	EGLYEAPKGY	TLEDLLATVK	YYVEHPNERP	HSDNGFGNAS	200
DHV	(SEQ ID NO : 72)				203

FIG. 37

CSYELGRHQA	GQVKKESNRV	SYIDGDQAGQ	KAENLTPDEV	SKREGINAEQ	50
IVIKITDQGY	VTSHGDHYHY	YNGKVPYDAI	ISEELLMKDP	NYQLKDSDIV	100
NEIKGGYVIK	VDGKYVYVLK	DAAHADNIRT	KKEIKRQKQE	HSHNHNSRAD	150
NAVAAARAQ	RYTTDDGYIF	NASDIIEDTG	DAYIVPHGDH	YHYIPKNELS	200
ASELAAAEAY	WNGKQGSRPS	SSSSYNANPV	QPRLSNHNH	TVTPTYHQNO	250
GENISSLLRE	LYAKPLSERH	VESDGLIFDP	AQITSRTARG	VAVPHGNHYH	300
FIPYEQMSEL	EKRIARIIP	RYRSNHWVPD	SRPEQSPQS	TPEPSPSLQP	350
APNPQPAPSN	PIDEKLVKEA	VRKVGDDGYV	EENGVSRYIP	AKDLSAETAA	400
GIDSKLAKQE	SLSHKLGAKK	TDLPSDREF	YNKAYDLLAR	IHQDLLDNKG	450
RQVDFEVLN	LLERLKDVS	DKVKLVDDIL	AFLAPIRHPE	RLGKPNQAQIT	500
YTDDEIQVAK	LAGKYTTEDG	YIFDPRDITS	DEGDAYVTPH	MTHSHWIKKD	550
SLSEAERAAA	QAYAKEKGLT	PPSTDHQDSG	NTEAKGAEAI	YNRVKAAKKV	600
PLDRMPYNLQ	YTVEVKNGSL	IIPHYDHYHN	IKFEWFDEGL	YEAPKGYSLE	650
DLLATVKYYV	EHPNERPHSD	NGFGNASDHV	RKNKADQDSK	PDEDKEHDEV	700
SEPTHPESDE	KENHAGLNPS	ADNLYKPSTD	TEETEEEAED	TTDEAEIPQV	750
ENSVINAKIA	DAAELLEKVT	DPSIRQNAME	TLTGLKSSLL	LGTKDNNTIS	800
AEVDSLALL	KESQPAPIQ	(SEQ ID NO : 73)			819

FIG. 38

ENISSLLREL	YAKPLSERHV	ESDGLIFDPA	QITSRTARGV	AVPHGNHYHF	50
IPYEQMSELE	KRIARIIPRL	YRSNHWVPDS	RPEQSPQST	PEPSPSLQPA	100
PNPQPAPSNP	IDKLVKEAV	RKVGDDGYVE	ENGVSRYIPA	KDLSAETAAG	150
IDSKLAKQES	LSHKLGAOKT	DLPSSDREFY	NKAYDLLARI	HQDLLDNKGR	200
QVDFEVLN	LERLKDVS	KVKLVDDILA	FLAPIRHPER	LGKPNQAQIT	250
TDDEIQVAKL	AGKYTTEDGY	IFDPRDITS	EGDAYVTPHM	THSHWIKKDS	300
LSEAERAAAQ	AYAKEKGLTP	PSTDHQDSGN	TEAKGAEAIY	NRVKAOKKVP	350
LDRMPYNLQY	TVEVKNGSLI	IIPHYDHYHN	KFEWFDEGLY	EAPKGYSLED	400
LLATVKYYVE	HPNERPHSDN	GFGNASDHVR	KNKADQDSK	DEDKEHDEVS	450
EPTHPESDEK	ENHAGLNPSA	DNLYKPSTD	EEETEEEAEDT	TDEAEIPQVE	500
NSVINAKIAD	AEALLEKVT	PSIRQNAME	LTGLKSSLLL	GTKDNNTISA	550
EVDSLALLK	ESQPAPIQ	(SEQ ID NO : 74)			568

FIG. 39

VRKNKADQDS	KPDEDKEHDE	VSEPTHPESD	EKENHAGLNP	SADNLYKPST	50
DTEETEEAE	DTTDEAEIPQ	VENSVINAKI	ADAEALLEKV	TDPSIRQNAM	100
ETLTGLKSSL	LLGTDKNNTI	SAE'VDSLAL	LKESQPAPIQ		140

(SEQ ID NO : 75)

FIG. 40

GACTTGACAG	AAGAGCAAAT	TAAGGCTGCG	CAAAAACATT	TAGAGGAAGT	50
TAAACTAGT	CATAATGGAT	TAGATTCTTT	GTCATCTCAT	GAACAGGATT	100
ATCCAGGTAA	TGCCAAAGAA	ATGAAAGATT	TAGATAAAAA	AATCGAAGAA	150
AAAATGCTG	GCATTATGAA	ACAATATGGT	GTCAAACGTG	AAAGTATTGT	200
CGTGAATAAA	GAAAAAATG	CGATTATTTA	TCCGCATGGA	GATCACCATC	250
ATGCAGATCC	GATTGATGAA	CATAAACCGG	TTGGAATTGG	TCATTCTCAC	300
AGTAACTATG	AACTGTTTAA	ACCCGAAGAA	GGAGTTGCTA	AAAAAGAAGG	350
GAATAAAGTT	TATACTGGAG	AAGAATTAAC	GAATGTTGTT	AATTTGTTAA	400
AAAATAGTAC	GTTTAATAAT	CAAAACTTTA	CTCTAGCCAA	TGGTCAAAAA	450
CGCGTTTCTT	TTAGTTTTC	GCCTGAATTG	GAGAAAAAAT	TAGGTATCAA	500
TATGCTAGTA	AAATTAATAA	CACCAGATGG	AAAAGTATTG	GAGAAAGTAT	550
CTGGTAAAGT	ATTTGGAGAA	GGAGTAGGGA	ATATTGCAAA	CTTTGAATTA	600
GATCAACCTT	ATTTACCAGG	ACAAACATTT	AAGTATACTA	TCGCTTCAAA	650
AGATTATCCA	GAGTAAGTT	ATGATGGTAC	ATTTACAGTT	CCAACCTCTT	700
TAGCTTACAA	AATGGCCAGT	CAAACGATTT	TCTATCCTTT	CCATGCAGGG	750
GATACTTATT	TAAGAGTGAA	CCCTCAATTT	GCAGTGCCTA	AAGGAAGTGA	800
TGCTTTAGTC	AGAGTGTTTG	ATGAATTTCA	TGGAAATGCT	TATTTAGAAA	850
ATAACTATAA	AGTTGGTGAA	ATCAAATTAC	CGATTCCGAA	ATTAAACCAA	900
GGAACAACCA	GAACGGCCGG	AAATAAAATT	CCTGTAACCT	TCATGGCAAA	950
TGCTTATTTG	GACAATCAAT	CGACTTATAT	TGTGGAAGTA	CCTATCTTGG	1000
AAAAAGAAAA	TCAAACGTAT	AAACCAAGTA	TTCTACCACA	ATTTAAAAGG	1050
AATAAAGCAC	AAGAAAACCTC	AAAACCTTGAT	GAAAAGGTAG	AAGAACCFAA	1100
GACTAGTGAG	AAGGTAGAAA	AAGAAAAACT	TTCTGAAACT	GGGAATAGTA	1150
CTAGTAATTC	AACGTTAGAA	GAAGTTCCTA	CAGTGGATCC	TGTACAAGAA	1200
AAAGTAGCAA	AATTTGCTGA	AAGTTATGGG	ATGAAGCTAG	AAAATGTCTT	1250
GTTTAATATG	GACGGAACAA	TTGAATTATA	TTTACCATCA	GGAGAAGTCA	1300
TTAAAAAGAA	TATGGCAGAT	TTTACAGGAG	AAGCACCTCA	AGGAAATGGT	1350
GAAAATAAAC	CATCTGAAAA	TGGAAAAGTA	TCTACTGGAA	CAGTTGAGAA	1400
CCAACCAACA	GAAAATAAAC	CAGCAGATTC	TTTACCAGAG	GCACCAAACG	1450
AAAAACCTGT	AAAACCAGAA	AACTCAACGG	ATAATGGAAT	GTTGAATCCA	1500
GAAGGGAATG	TGGGGAGTGA	CCCTATGTTA	GATCCAGCAT	TAGAGGAAGC	1550
TCCAGCAGTA	GATCCTGTAC	AAGAAAAATT	AGAAAAATTT	ACAGCTAGTT	1600
ACGGATTAGG	CTTAGATAGT	GTTATATTCA	ATATGGATGG	AACGATTGAA	1650
TTAAGATTGC	CAAGTGGAGA	AGTGATAAAA	AAGAATTTAT	CTGATTTTCT	1700
AGCGAAGCTT	CGTTATCGTT	CAAACCATTG	GGTACCAGAT	TCAAGACCAG	1750
AAGAACCAAG	TCCACAACCG	ACTCCAGAAC	CTAGTCCAAG	TCCGCAACCT	1800
GCACCAATC	CTCAACCAGC	TCCAAGCAAT	CCAATTGATG	AGAAATTGGT	1850
CAAAGAAGCT	GTTTCGAAAAG	TAGGCGATGG	TTATGTCTTT	GAGGAGAAATG	1900
GAGTTTCTCG	TTATATCCCA	GCCAAGAATC	TTTCAGCAGA	AACAGCAGCA	1950
GGCATTGATA	GCAAACCTGGC	CAAGCAGGAA	AGTTTATCTC	ATAAGCTAGG	2000
AGCTAAGAAA	ACTGACCTCC	CATCTAGTGA	TGAGAAATTT	TACAATAAGG	2050
CTTATGACTT	ACTAGCAAGA	ATTCACCAAG	ATTTACTTGA	TAATAAAGGT	2100
CGACAAGTTG	ATTTTGAGGC	TTTGGATAAC	CTGTTGGAAC	GACTCAAGGA	2150
TGTCTCAAGT	GATAAAGTCA	AGTTAGTGGA	TGATATTCTT	GCCTTCTTAG	2200
CTCCGATTG	TCATCCAGAA	CGTTTAGGAA	AACCAAATGC	GCAAATTACC	2250
TACACTGATG	ATGAGATTCA	AGTAGCCAAG	TTGGCAGGCA	AGTACACAAC	2300
AGAAGACGGT	TATATCTTTG	ATCCTCGTGA	TATAACCAGT	GATGAGGGGG	2350
ATGCCTATGT	AACTCCACAT	ATGACCCATA	GCCACTGGAT	TAAAAAAGAT	2400
AGTTTGTCTG	AAGCTGAGAG	AGCGGCAGCC	CAGGCTTATG	CTAAAGAGAA	2450
AGGTTTGACC	CCTCCTTCGA	CAGACCATCA	GGATTCAGGA	AATACTGAGG	2500
CAAAGGAGC	AGAAGCTATC	TACAACCGCG	TGAAAGCAGC	TAAGAAGGTG	2550

FIG. 41A

CCACTTGATC	GTATGCCTTA	CAATCTTCAA	TATACTGTAG	AAGTCAAAAA	2600
CGGTAGTTTA	ATCATACCTC	ATTATGACCA	TTACCATAAC	ATCAAATTTG	2650
AGTGGTTTGA	CGAAGGCCTT	TATGAGGCAC	CTAAGGGGTA	TACTCTTGAG	2700
GATCTTTTGG	CGACTGTCAA	GTACTATGTC	GAACATCCAA	ACGAACGTCC	2750
GCATTCAGAT	AATGGTTTTG	GTAACGCTAG	CGACCATGTT	CAAAGAAACA	2800
AAAATGGTCA	AGCTGATACC	AATCAAACGG	AAAAACCAAG	CGAGGAGAAA	2850
CCTCAGACAG	AAAAACCTGA	GGAAGAAACC	CCTCGAGAAG	AGAAACCACA	2900
AAGCGAGAAA	CCAGAGTCTC	CAAAACCAAC	AGAGGAACCA	GAAGAAGAAT	2950
CACCAGAGGA	ATCAGAAGAA	CCTCAGGTCG	AGACTGAAAA	GGTTGAAGAA	3000
AAACTGAGAG	AGGCTGAAGA	TTTACTTGGA	AAAATCCAGG	ATCCAATTAT	3050
CAAGTCCAAT	GCCAAAGAGA	CTCTCACAGG	ATTAAAAAAT	AATTTACTAT	3100
TTGGCACCCA	GGACAACAAT	ACTATTATGG	CAGAAGCTGA	AAAACCTATTG	3150
GCTTTATTAA	AGGAGAGTAA	G	(SEQ ID NO : 76)		3171

FIG. 41B

EAYWNGKQGS	RPSSSSSYNA	NPVQPRLSN	HNLTVTPTYH	QNQGENISL	50
LRELYAKPLS	ERHVESDGLI	FDPAQITSRT	ARGVAVPHGN	HYHFIPYEQM	100
SELEKRIARI	IPLRYRSNHW	VPDSRPEQPS	PQSTPEPSPS	LQPAPNPQPA	150
PSNPIDEKLV	KEAVRKVG DG	YVFEENGVS R	YIPAKDLSAE	TAAGIDSKLA	200
KQESLSHKL G	AKKTDLPSSD	REFYNKAYDL	LARIHQDLLD	NKGRQVD FEV	250
LDNLLERLKD	VSSDKVKLVD	DILAFLAPIR	HPERLGKPNA	QITYTDDEIQ	300
VAKLAGKYTT	EDGYIFDPRD	ITSDEGDAYV	TPHMTSHSWI	KKDSLSEAER	350
AAAQAYAKEK	GLTPPSTDHQ	DSGNTEAKGA	EAIYNRVKAA	KKVPLDRMPY	400
NLQYTVEVKN	GSLIIPHYDH	YHNIKFEWFD	EGLYEAPKGY	SLEDLLATVK	450
YYVEHPNERP	HSDNGFGNAS	DHV	(SEQ ID NO : 77)		473

FIG. 42

CAYALNQHRS	QENKDNRRVS	YVDGSQSSQK	SENLTDPQVS	QKEGIAEQI	50
VIKITDQGYV	TSHGDHYHY	NGKVPYDALF	SEELLMKDPN	YQLKDADIVN	100
EVKGGYIIKV	DGKYVYVLKD	AAHADNVRTK	DEINRQKQEH	VKDNEKVNSN	150
VAVARSQGRY	TTNDGYVFNP	ADIIEDTGNA	YIVPHGGHYH	YIPKSDLAS	200
ELAAAKAHLA	GKNMQPSQLS	YSSTASDNNT	QSVAKGSTSK	PANKSENLOS	250
LLKELYDSPS	AQRYSEDGL	VFDPAKIISR	TPNGVAIPHG	DHYHFIPYSK	300
LSALEEKIAR	MVPISGTGST	VSTNAKPNEV	VSSLGSLSSN	PSSLTTSKEL	350
SSASDGYIFN	PKDIVEETAT	AYIVRHGDHF	HYIPKSNQIG	QPTLPNNSLA	400
TPSPSLPINP	GTSHEKHEED	GYGFDANRII	AEDESGFVMS	HGDHNHYFFK	450
KDLTEEQIKA	AQKHLEEVKT	SHNGLDSLSS	HEQDYPGNAK	EMKDLDKKIE	500
EKIAGIMKQY	GVKRESIVVN	KEKNAIIPYH	GDHHHADPID	EHKPVGIGHS	550
HSNYELFKPE	EGVAKKEGK	VYTGEELTNV	VNLLKNSTFN	NQNFTLANGQ	600
KRVSFSPPE	LEKKLGINML	VKLITPDGKV	LEKVSQKVF	EGVGNIANFE	650
LDQPYLPGQT	FKYTIASKDY	PEVSYDGTFT	VPTSLAYKMA	SQTIFYPFHA	700
GDTYLRVNPQ	FAVPKGTDAL	VRVFDEFHGN	AYLENNYKVG	EIKLPIPKLN	750
QGTTRTAGNK	IPVTFMANAY	LDNQSTYIVE	(SEQ ID NO : 78)		780

FIG. 43

CAYELGLHQA	QTVKENNRVS	YIDGKQATQK	TENLTPDEVS	KREGINAEQI	50
VIKITDQGYV	TSHGDHYHY	NGKVPYDAII	SEELLMKDPN	YQLKDSDIVN	100
EIKGGYVIKV	NGKYVYVLKD	AAHADNVRTK	EEINRQKQEH	SQHREGGTS	150
NDGAVAFARS	QGRYTDDGY	IFNASDIED	TGDYIVPHG	DHYHYIPKNE	200
LSASELAAAE	AFLSGRENLS	NLRTYRRQNS	DNTPRTNWVP	SVSNPGTTNT	250
NTSNNSTNS	QASQSNDDIS	LLKQLYKLPL	SQRHVESDGL	IFDPAQITSR	300
TARGVAVPHG	NHYHFIPYEQ	MSELEKRIAR	IIPLYRSNH	WVPDSRPEEP	350
SPQPTPEPSP	SPQPAPNPQP	APSNPIDKEL	VKEAVRKVG	GYVFEENGVS	400
RYIPAKNLSA	ETAAGIDSKL	AKQESLSHL	GAKKTDLPSS	DREFYNKAYD	450
LLARIHQDLL	DNKGRQVDFE	ALDNLLERLK	DVSSDKVKLV	DDILAFLAPI	500
RHPERLGKPN	AQITYTDDEI	QVAKLAGKYT	TEDGYIFDPR	DITSDEGDAY	550
VTPHMTSHSW	IKKDSLSEAE	RAAAQAYAKE	KGLTPPSTDH	QDSGNTEAKG	600
AEAIYNRVKA	AKKVPLDRMP	YNLQYTVEVK	NGSLIIPHYD	HYHNIKFEWF	650
DEGLYEAPKG	YTLEDLLATV	KYYVEHPNER	PHSDNGFGNA		690

(SEQ ID NO : 79)

FIG. 44

GTGAAGAAAA	CATATGGTTA	TATCGGCTCA	GTGCTGCCA	TTTTACTAGC	TACTCATATT	60
GGAAGTTACC	AACTTGGTAA	GCATCATATG	GGTCTAGCAA	CAAAGGACAA	TCAGATTGCC	120
TATATTGATG	ACAGCAAAGG	TAAGGCAAAA	GCCCCATAAA	CAAACAAAAC	GATGGATCAA	180
ATCAGTGCTG	AAGAAGGCAT	CTCTGCTGAA	CAGATCGTAG	TCAAAATTAC	TGACCAAGGC	240
TATGTGACCT	CACACGGTGA	CCATTATCAT	TTTTACAATG	GGAAAGTTCC	TTATGATGCG	300
ATTATTAGTG	AAGAGTTGTT	GATGACGGAT	CCTAATTACC	GTTTTAAACA	ATCAGACGTT	360
ATCAATGAAA	TCTTAGACGG	TTACGTTATT	AAAGTCAATG	GCAACTATTA	TGTTTACCTC	420
AAGCCAGGTA	GTAAGCGCAA	AAACATTCTG	ACCAAACAAC	AAATTGCTGA	GCAAGTAGCC	480
AAAGGAACTA	AAGAAGCTAA	AGAAAAAGGT	TTAGCTCAAG	TGGCCCCTCT	CAGTAAAGAA	540
GAAGTTGCGG	CAGTCAATGA	AGCAAAAAGA	CAAGGACGCT	ATACTACAGA	CGATGGCTAT	600
ATTTTTAGTC	CGACAGATAT	CATTGATGAT	TTAGGAGATG	CTTATTTAGT	ACCTCATGGT	660
AATCACTATC	ATTATATTCC	TAAAAAGGAT	TTGTCTCCAA	GTGAGCTAGC	TGCTGCACAA	720
GCCTACTGGA	GTCAAAAACA	AGGTCGAGGT	GCTAGACCGT	CTGATTACCG	CCCACACCA	780
GCCCCAGGTC	GTAGGAAAGC	CCCAATTCTC	GATGTGACGC	CTAACCCCTG	ACAAGGTCAT	840
CAGCCAGATA	ACGGTGGCTA	TCATCCAGCG	CCTCCTAGGC	CAAATGATGC	GTCACAAAAC	900
AAACACCAAA	GAGATGAGTT	TAAAGGAAAA	ACCTTTAAGG	AACTTTTAGA	TCAACTACAC	960
CGTCTTGATT	TGAAATACCG	TCATGTGGAA	GAAGATGGGT	TGATTTTTGA	ACCGACTCAA	1020
GTGATCAAAT	CAAACGCTTT	TGGGTATGTG	GTGCCTCATG	GAGATCATT	TCATATTATC	1080
CCAAGAAGTC	AGTTATCACC	TCTTGAAATG	GAATTAGCAG	ATCGATACTT	AGCTGGCCAA	1140
ACTGAGGACA	ATGACTCAGG	TTCAGAGCAC	TCAAAACCAT	CAGATAAAGA	AGTGACACAT	1200
ACCTTTCTTG	GTCATCGCAT	CAAAGCTTAC	GGAAAAGGCT	TAGATGGTAA	ACCATATGAT	1260
ACAGTGATG	CTTATGTTTT	TAGTAAAGAA	TCCATTCTAT	CAGTGGATAA	ATCAGGAGTT	1320
ACAGCTAAAC	ACGGAGATCA	TTTCCACTAT	ATAGGATTTG	GAGAACTTGA	ACAATATGAG	1380
TTGGATGAGG	TCGCTAACTG	GGTGAAAGCA	AAAGGTCAAG	CTGATGAGCT	TGCTGCTGCT	1440
TTGGATCAGG	AACAAGGCAA	AGAAAAACCA	CTCTTTGACA	CTAAAAAAGT	GAGTCGCAAA	1500
GTAACAAAAG	ATGGTAAAGT	GGGCTATATG	ATGCCAAAAG	ATGGTAAGGA	CTATTTCTAT	1560
GCTCGTGATC	AACTTGATTT	GACTCAGATT	GCCTTTGCCG	AACAAGAAGT	AATGCTTAAA	1620
GATAAGAAGC	ATTACCGTTA	TGACATTGTT	GACACAGGTA	TTGAGCCACG	ACTTGCTGTA	1680
GATGTGTCAA	GTCTGCCGAT	GCATGCTGGT	AATGCTACTT	ACGATACTGG	AAGTTCGTTT	1740
GTTATCCAC	ATATTGATCA	TATCCATGTC	GTCCGTATT	CATGGTTGAC	GCGCGATCAG	1800
ATTGCAACAG	TCAAGTATGT	GATGCAACAC	CCCGAAGTTC	GTCCGGATGT	ATGGTCTAAG	1860
CCAGGGCATG	AAGAGTCAGG	TTCGGTCATT	CCAAATGTTA	CGCCTCTTGA	TAAACGTGCT	1920
GGTATGCCAA	ACTGGCAAAT	TATCCATTCT	GCTGAAGAAG	TTCAAAAAGC	CCTAGCAGAA	1980
GGTCGTTTTG	CAACACCAGA	CGGCTATATT	TTGATCCAC	GAGATGTTTT	GGCCAAAGAA	2040
ACTTTTGTAT	GGAAAGATGG	CTCCTTTAGC	ATCCCAAGAG	CAGATGGCAG	TTCATTGAGA	2100
ACCATTAATA	AATCTGATCT	ATCCCAAGCT	GAGTGGCAAC	AAGCTCAAGA	GTTATTGGCA	2160
AAGAAAAATA	CTGGTGATGC	TACTGATACG	GATAAACCCA	AAGAAAAGCA	ACAGGCAGAT	2220
AAGAGCAATG	AAAACCAACA	GCCAAGTGAA	GCCAGTAAAG	AAGAAAAAGA	ATCAGATGAC	2280
TTTATAGACA	GTTTACCAGA	CTATGGTCTA	GATAGAGCAA	CCCTAGAAGA	TCATATCAAT	2340
CAATTAGCAC	AAAAAGCTAA	TATCGATCCT	AAGTATCTCA	TTTTCCAACC	AGAAGGTGTC	2400
CAATTTTATA	ATAAAAATGG	TGAATTGGTA	ACTTATGATA	TCAAGACACT	TCAACAAATA	2460
AACCCTTAA	(SEQ ID NO : 80)					2469

VKKTYGYIGS	VAAILLATHI	GSYQLGKHHM	GLATKDNQIA	YIDDSK GKAK	50
APKTNKTMDQ	ISAEEGISAE	QIVVKITDQG	YVTSHGDHYH	FYNGKVPYDA	100
IISEELLMTD	PNYRFBQSDV	INEILDGYVI	KVNGNYVYVL	KPGSKRKNI	150
TKQQIAEQVA	KGTKEAKEKG	LAQVAHLSKE	EVAAVNEAKR	QGRYTDDGY	200
IFSPTDIIDD	LGDAYLVPHG	NHYHYIPKKD	LSPSELAAQ	AYWSQKQGRG	250
ARPSDYRPTP	APGRRKAPIP	DVTPNPGQGH	QPDNGGYHPA	PPRPNDASQN	300
KHQRDEFKKG	TFKELLDQLH	RLDLKYRHVE	EDGLIFEPTQ	VIKSNAFGYV	350
VPBGDHYHII	PRSQLSPLEM	ELADRYLAGQ	TEDNDSGSEH	SKPSDKEVTH	400
TFLGHRIKAY	GKGLDGKPYD	TSDAYVFSKE	SIHSVDKSGV	TAKHGDHFFHY	450
IGFGELEQYE	LDEVANWVKA	KGQADELAAA	LDQEQQGKEP	LFDTKKVS RK	500
VTKDGVGYM	MPKDGKDYFY	ARDQLDLTQI	AFAEQELMLK	DKKHYRYDIV	550
DTGIEPRLAV	DVSSLPMHAG	NATYDTGSSF	VIPHIDHIHV	VPYSWLTRDQ	600
IATVKYVMQH	PEVRPDVWSK	PGHEESGSGVI	PNVTPLDKRA	GMPNWQIIHS	650
AEVQKALAE	GRFATPDGYI	FDPRDVLAK	TFVWKDGSFS	IPRADGSSLR	700
TINKSDLSQA	EWQQAQELLA	KKNTGDATDT	DKPKEKQQAD	KSNENQQPSE	750
ASKEEKESDD	FIDSLPDYGL	DRATLEDHIN	QLAQKANIDP	KYLIFQPEGV	800
QFYNKNGELV	TYDIKTLQQI	NPP	(SEQ ID NO : 81)		823

GTGAAGAAAA	CATATGGTTA	TATCGGCTCA	GTTGCTGCCA	TTTTACTAGC	TACTCATATT	60
GGAAGTTACC	AACTTGGTAA	GCATCATATG	GGTCTAGCAA	CAAAGGACAA	TCAGATTGCC	120
TATATTGATG	ATAGCAAAGG	TAAGGCAAAA	GCCCTAAAA	CAAACAAAAC	GATGGATCAA	180
ATCAGTGCTG	AAGAAGGCAT	CTCTGCTGAA	CAGATCGTAG	TCAAAATTAC	TGACCAAGGT	240
TATGTGACCT	CACACGGTGA	CCATTATCAT	TTTTACAATG	GGAAAGTTCC	TTATGATGCG	300
ATTATTAGTG	AAGAGTTGTT	GATGACGGAT	CCTAATTACC	ATTTTAAACA	ATCAGACGTT	360
ATCAATGAAA	TCTTAGACGG	TTACGTTATT	AAAGTCAATG	GCAACTATTA	TGTTTACCTC	420
AAGCCAGGTA	GTAAGCGCAA	AAACATTCTGA	ACCAAACAAC	AAATTGCTGA	GCAAGTAGCC	480
AAAGGAACTA	AAGAAGCTAA	AGAAAAAGGT	TTAGCTCAAG	TGGCCCATCT	CAGTAAAGAA	540
GAAGTTGCGG	CAGTCAATGA	AGCAAAAAGA	CAAGGACGCT	ATACTACAGA	CGATGGCTAT	600
ATTTTTAGTC	CGACAGATAT	CATTGATGAT	TTAGGAGACG	CTTATTTAGT	ACCTCATGGT	660
AATCACTATC	ATTATATTCC	TAAAAAAGAT	TTGTCTCCAA	GTGAGCTAGC	TGCTGCACAA	720
GCTTACTGGA	GTCAAAAACA	AGGTCGAGGT	GCTAGACCGT	CTGATTACCG	CCCGACACCA	780
GCCCCAGGTC	GTAGGAAAGC	TCCAATTTCCT	GATGTGACGC	CTAACCCCTGG	ACAAGGTCAT	840
CAGCCAGATA	ACGGTGGCTA	TCATCCAGCG	CCTCCTAGGC	CAAATGATGC	GTCACAAAAC	900
AAACACCAAA	GAGATGAGTT	TAAAGGAAAA	ACCTTTAAGG	AACTTTTAGA	TCAACTACAC	960
CGTCTTGATT	TGAAATACCG	TCATGTGGAA	GAAGATGGGT	TGATTTTTGA	ACCGACTCAA	1020
GTGATCAAAAT	CAAACGCTTT	TGGGTATGTG	GTGCCTCATG	GAGATCATTA	TCATATTATC	1080
CCAAGAAGTC	AGTTATCACC	TCTTGAATG	GAATTAGCAG	ATCGATACTT	AGCCGGTCAA	1140
ACTGAGGACA	ATGATTCAGG	TTCAGATCAC	TCAAAACCAT	CAGATAAAGA	AGTGACACAT	1200
ACCTTTCTTG	GTCATCGCAT	CAAAGCTTAC	GGAAAAGGCT	TAGATGGTAA	ACCATATGAT	1260
ACGAGTGATG	CTTAGTTTTT	TAGTAAAGAA	TCCATTTCATT	CAGTGGATAA	ATCAGGAGTT	1320
ACAGCTAAAC	ACGGAGATCA	TTTCCACTAT	ATAGGATTTG	GAGAACTTGA	ACAATATGAG	1380
TTGGATGAGG	TCGCTAACTG	GGTGAAAGCA	AAAGGTCAAG	CTGATGAGCT	TGCTGCTGCT	1440
TTGGATCAGG	AACAAGGCAA	AGAAAAACCA	CTCTTTGACA	CTAAAAAAGT	GAGTCGCAAA	1500
GTAACAAAAG	ATGGTAAAGT	GGGCTATATT	ATGCCAAAAG	ATGGCAAGGA	CTATTTCTAT	1560
GCTCGTGATC	AACTTGATTT	GAATCAGATT	GCCTTTGCCG	AACAAGAACT	AATGCTTAAA	1620
GATAAGAACC	ATTACCGTTA	TGACATTGTT	GACACAGGTA	TTGAGCCACG	ACTTGCTGTA	1680
GATGTGTCAA	GTCTGCCGAT	GCATGCTGGT	AATGCTACTT	ACGATACTGG	AAGTTCGTTT	1740
GTTATCCCTC	ATATTGATCA	TATCCATGTC	GTTCCGTATT	CATGGTTGAC	GCGCGATCAG	1800
ATTGCAACAA	TCAAGTATGT	GATGCAACAC	CCCGAAGTTC	GTCCAGATGT	ATGGTCTAAG	1860
CCAGGGCATG	AAGAGTCAGG	TTCCGGTCATT	CCAAATGTTA	CGCCTCTTGA	TAAACGTGCT	1920
GGTATGCCAA	ATTGGCAAAT	CATCCATTCT	GCTGAAGAAG	TTCAAAAAGC	CCTAGCAGAA	1980
GGTCGTTTTG	CAACACCAGA	CGGCTATATT	TTCGATCCAC	GAGATGTTTT	GGCCAAAGAA	2040
ACTTTTGTAT	GGAAAGATGG	CTCCTTTAGC	ATCCCAAGAG	CAGATGGCAG	TTCATTGAGA	2100
ACCATTAATA	AATCTGATCT	ATCCCAAGCT	GAGTGGCAAC	AAGCTCAAGA	GTTATTGGCA	2160
AAGAAAAACG	CTGGTGATGC	TACTGATACG	GATAAACCCA	AAGAAAAGCA	ACAGGCAGAT	2220
AAGAGCAATG	AAAACCAACA	GCCAAGTGAA	GCCAGTAAAG	AAGAAGAAAA	AGAATCAGAT	2280
GACTTTATAG	ACAGTTTACC	AGACTATGGT	CTAGATAGAG	CAACCCTAGA	AGATCATATC	2340
AATCAATTAG	CACAAAAAGC	TAATATCGAT	CCTAAGTATC	TCATTTTCCA	ACCAGAAGGT	2400
GTCCAATTTT	ATAATAAAAA	TGGTGAATTA	GTAACCTATG	ATATCAAGAC	GCTTCAACAA	2460
ATAAACCCCTT	AA	(SEQ ID NO : 82)				2472

VKKTYGYIGS	VAAILLATHI	GSYQLGKHHM	GLATKDNQIA	YIDDSKGKAK	50
APKTNKTMDQ	ISAEEGISAE	QIVVKITDQG	YVTSHGDHYH	FYNGKVPYDA	100
IISEELLMTD	PNYHFKQSDV	INEILDGYVI	KVNGNYYVYL	KPGSKRKNIR	150
TKQQIAEQVA	KGTKEAKEKG	LAQVAHLSKE	EVAAVNEAKR	QGRYTTDDGY	200
IFSPTDIIDD	LGDAYLVPHG	NHYHYIPKID	LSPSELAAAQ	AYWSQKQGRG	250
ARPSDYRPTP	APGRRKAPIP	DVTPNPGQGH	QPDNGGYHPA	PPRPNDASQN	300
KHORDEFKKG	TFKELLDQLH	RLDLKYRHVE	EDGLIFEPTQ	VIKSNAFGYV	350
VPHGDHYHII	PRSQLSPLEM	ELADRYLAGQ	TEDNDSGSDH	SKPSDKEVTH	400
TFLGHRİKAY	GKGLDGKPYD	TSDAYVFSKE	SIHSVDKSGV	TAKHGDHFHY	450
IGFGELEQYE	LDEVANWVKA	KGQADELAAA	LDQEQGKEKP	LFDTKKVSRL	500
VTKDGVGYI	MPKDGKDYFY	ARDQLDLTQI	AFAEQELMLK	DKNHYRYDIV	550
DTGIEPRLAV	DVSSLPMHAG	NATYDTGSSF	VIPHIDHIHV	VPYSWLTRDQ	600
IATIKYVMQH	PEVRPDVWSK	PGHEESGSKI	PNVTPLDKRA	GMPNWQIIHS	650
AEVQKALAE	GRFATPDGYI	FDPRDVLAKI	TFVWKDGSFS	IPRADGSSLR	700
TINKSDLSQA	EWQQAQELLA	KKNAGDATDT	DKPKEKQQAD	KSNENQQPSE	750
ASKEEEKESD	DFIDSLPDYG	LDRATLEDHI	NQLAQKANID	PKYLIFQPEG	800
VQFYNKNGEL	VTYDIKTLQQ	INPP	(SEQ ID NO : 83)		824